

FIG. 1

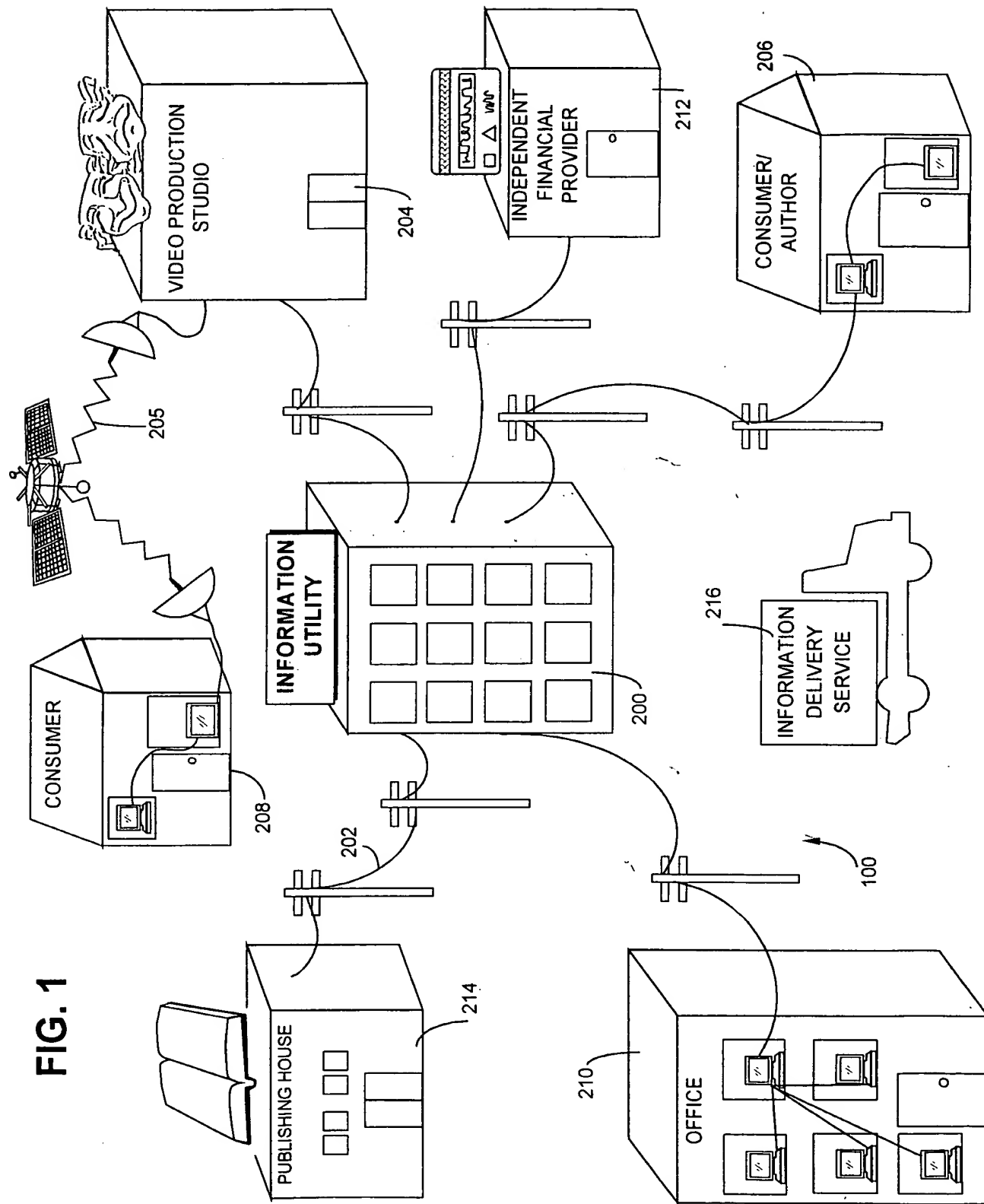


FIG. 1A

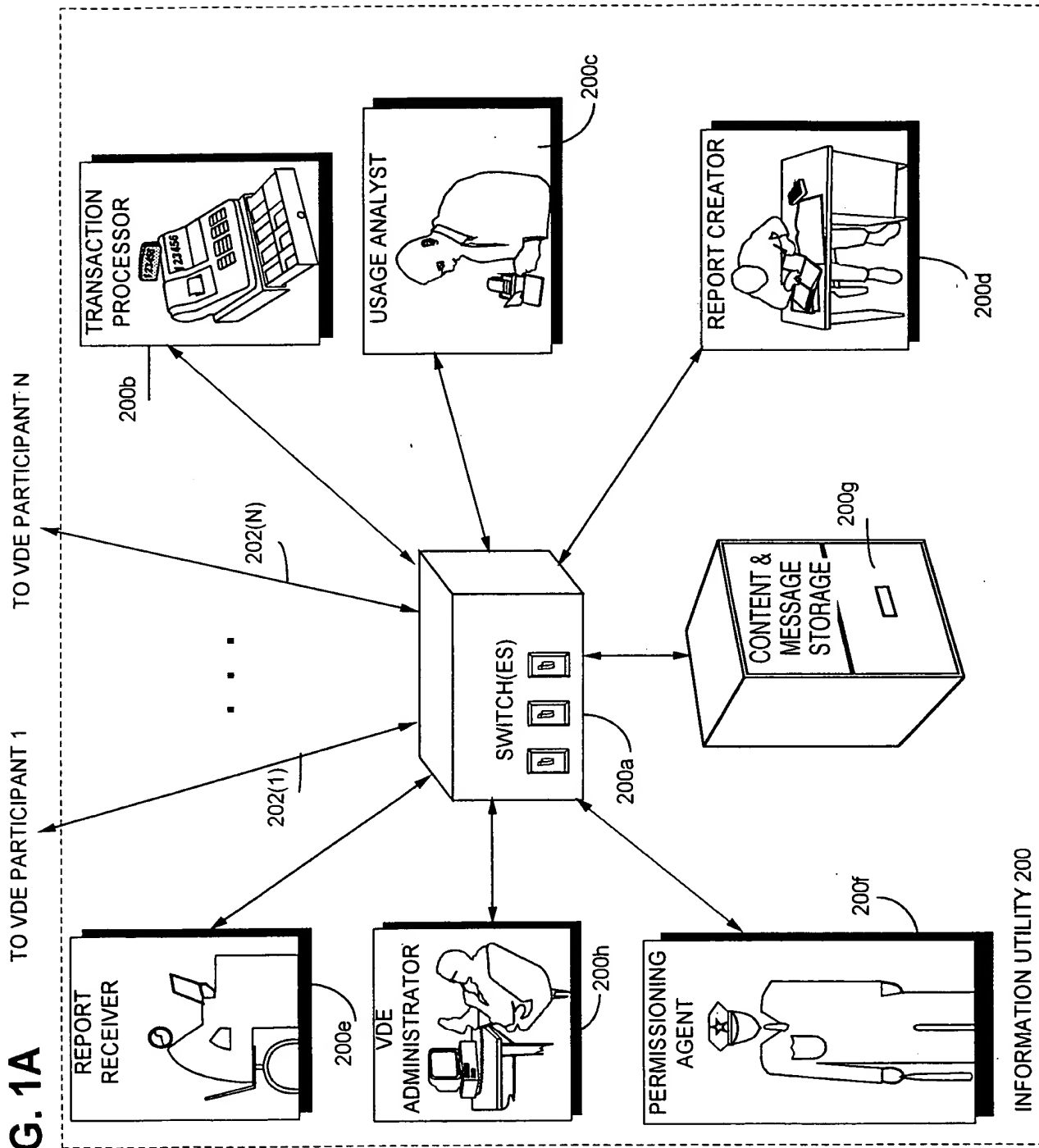
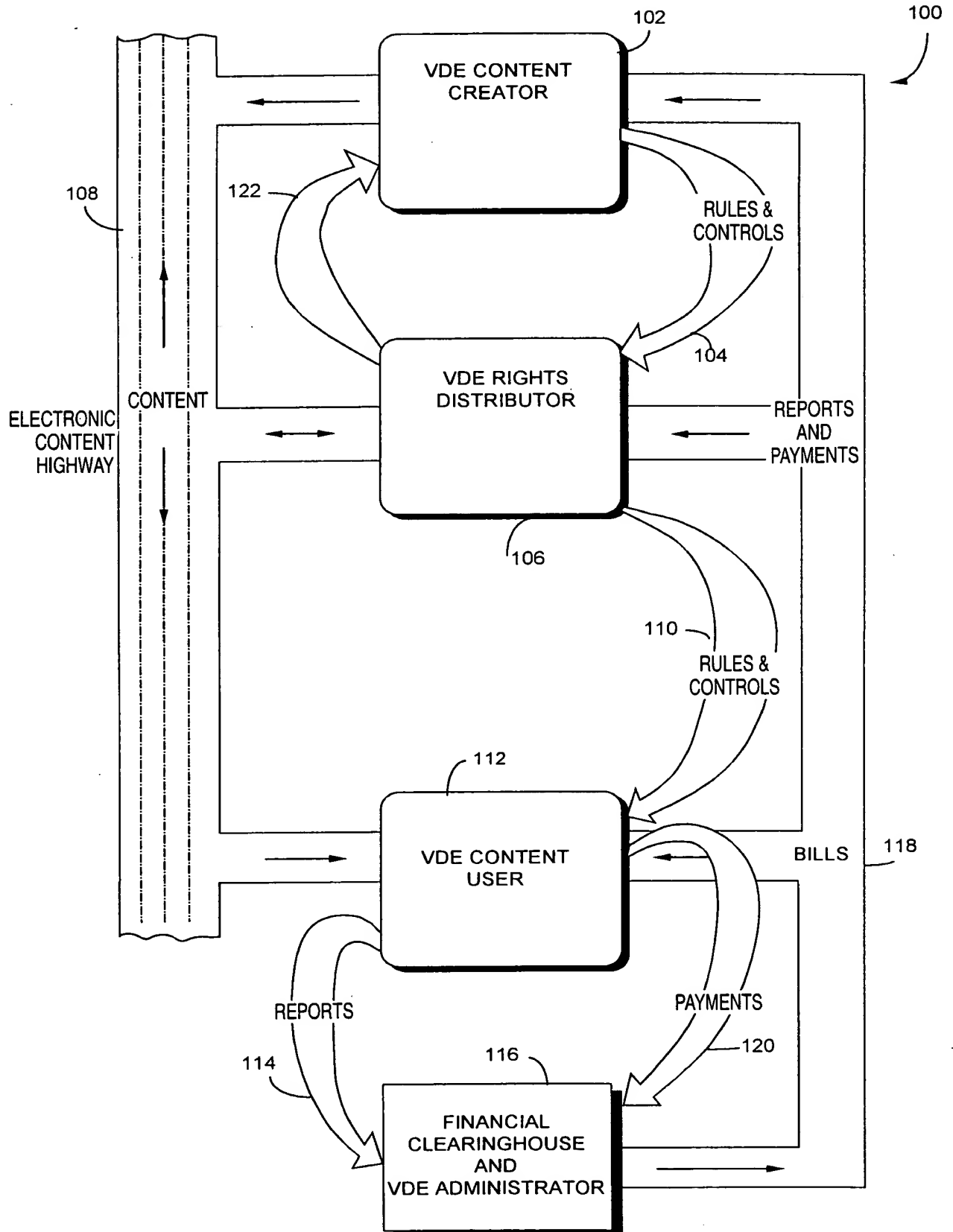
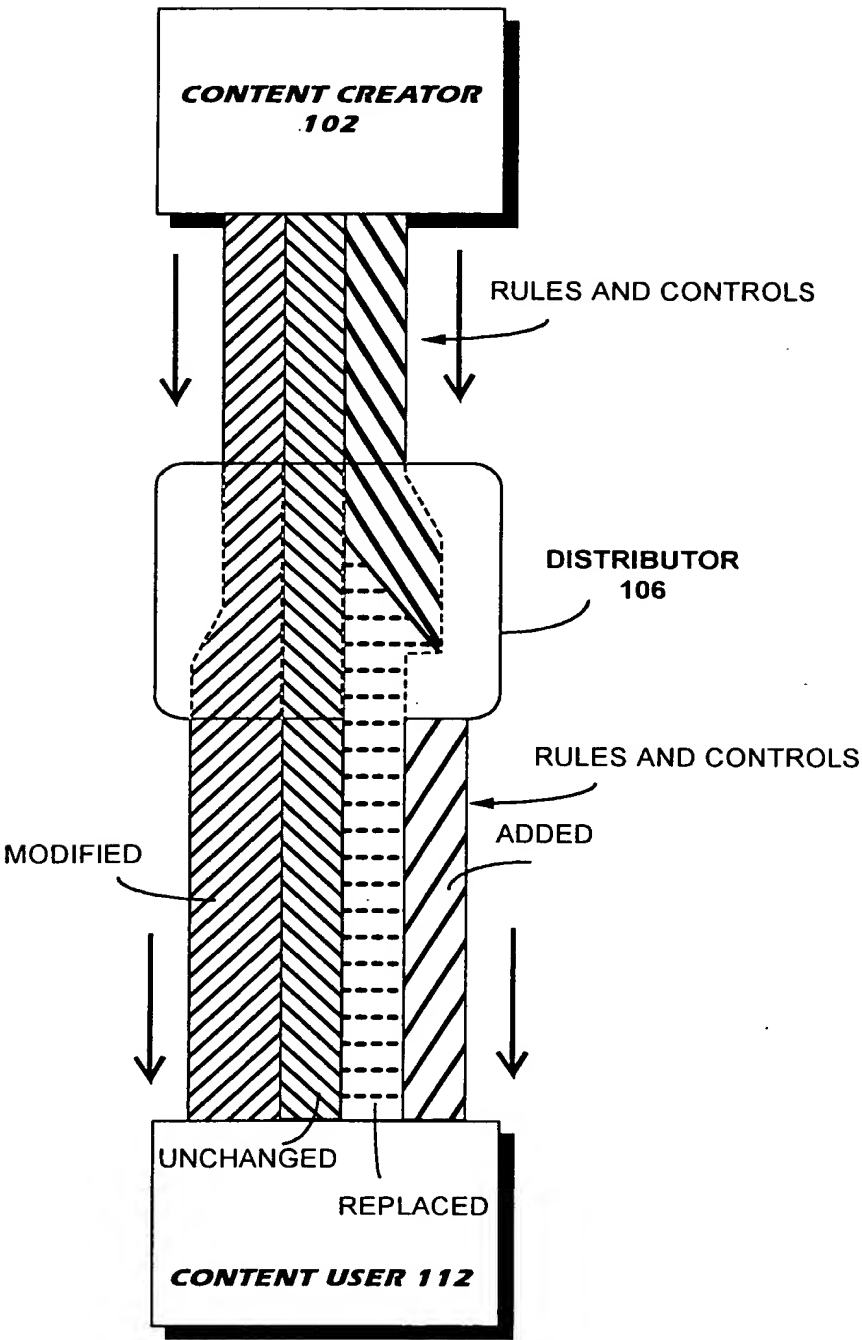


FIG. 2



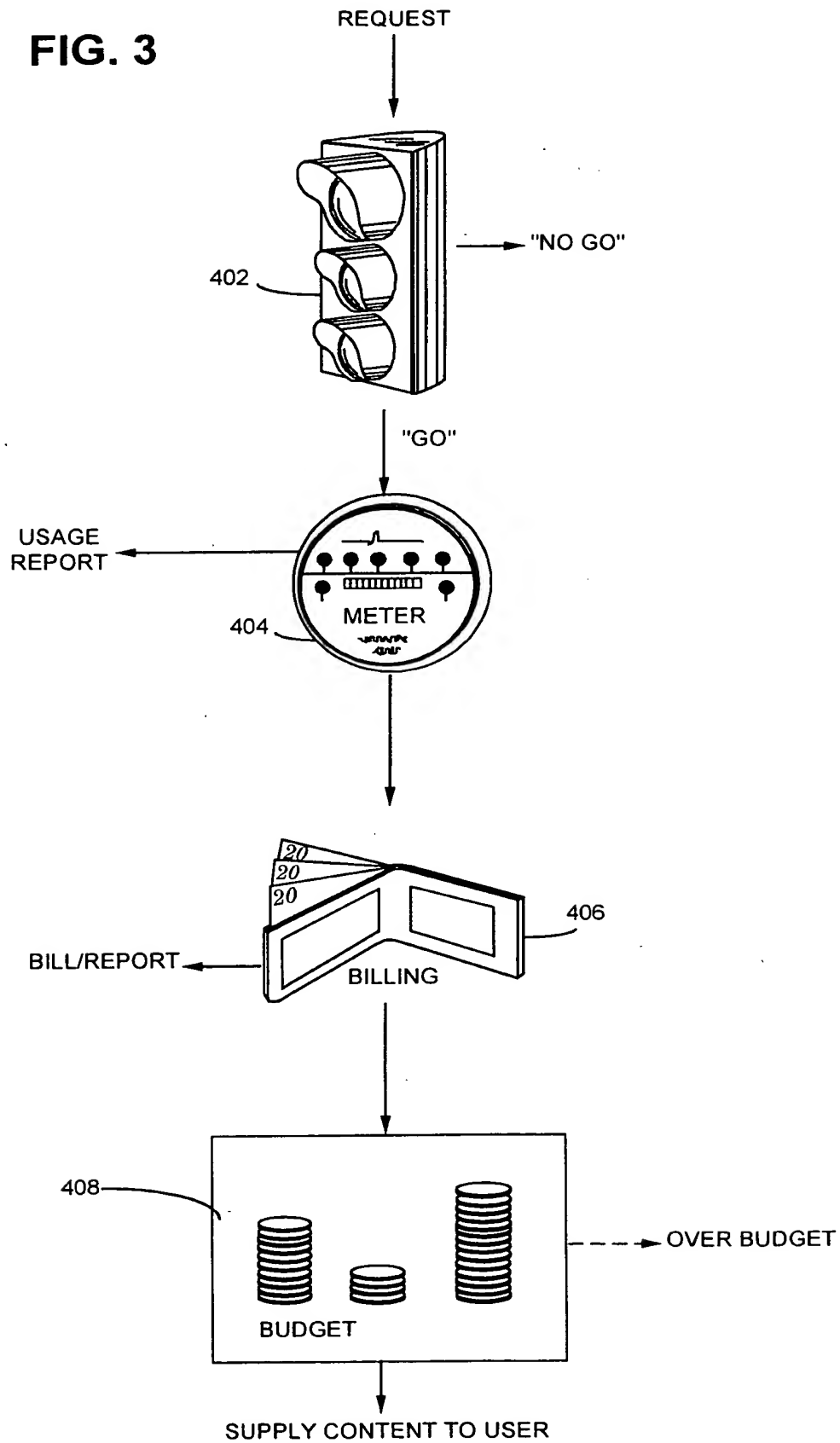
09764370.07231
T0E2270"07E49760

FIG. 2A



09/64370 "072301
T0E270" 07E49/60

FIG. 3



09764370.072303

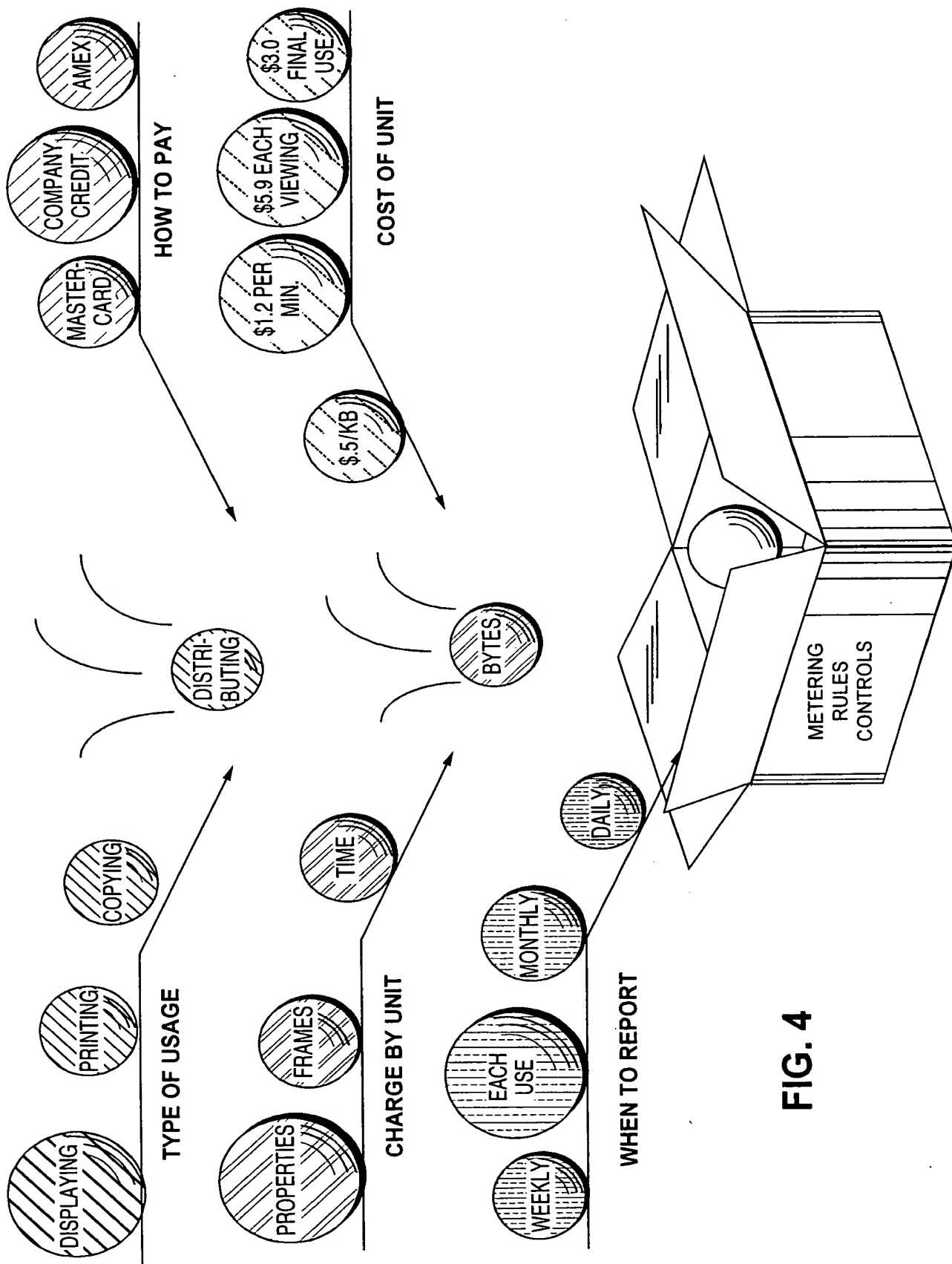
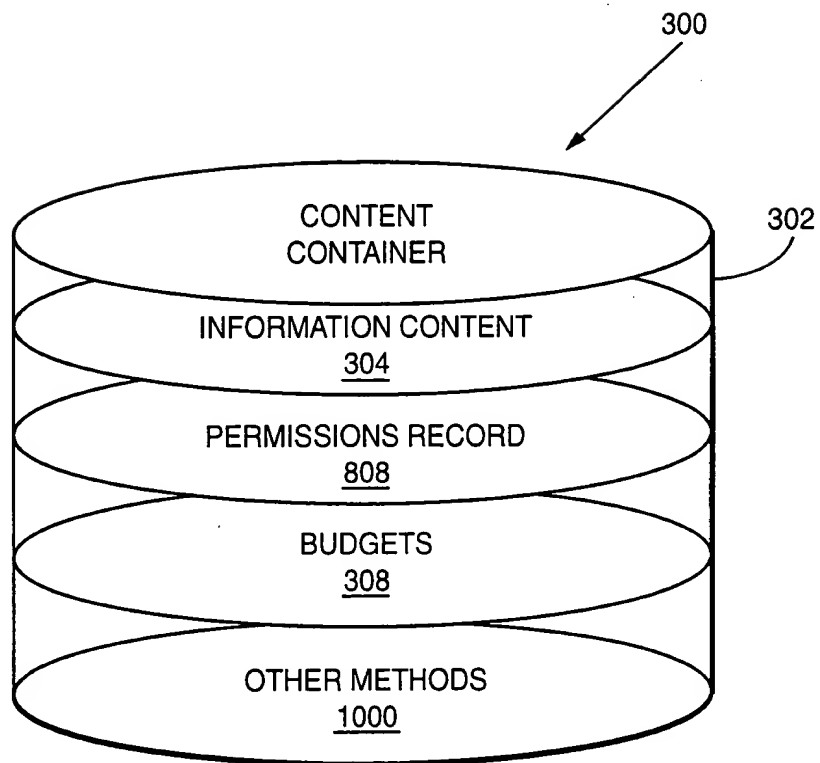
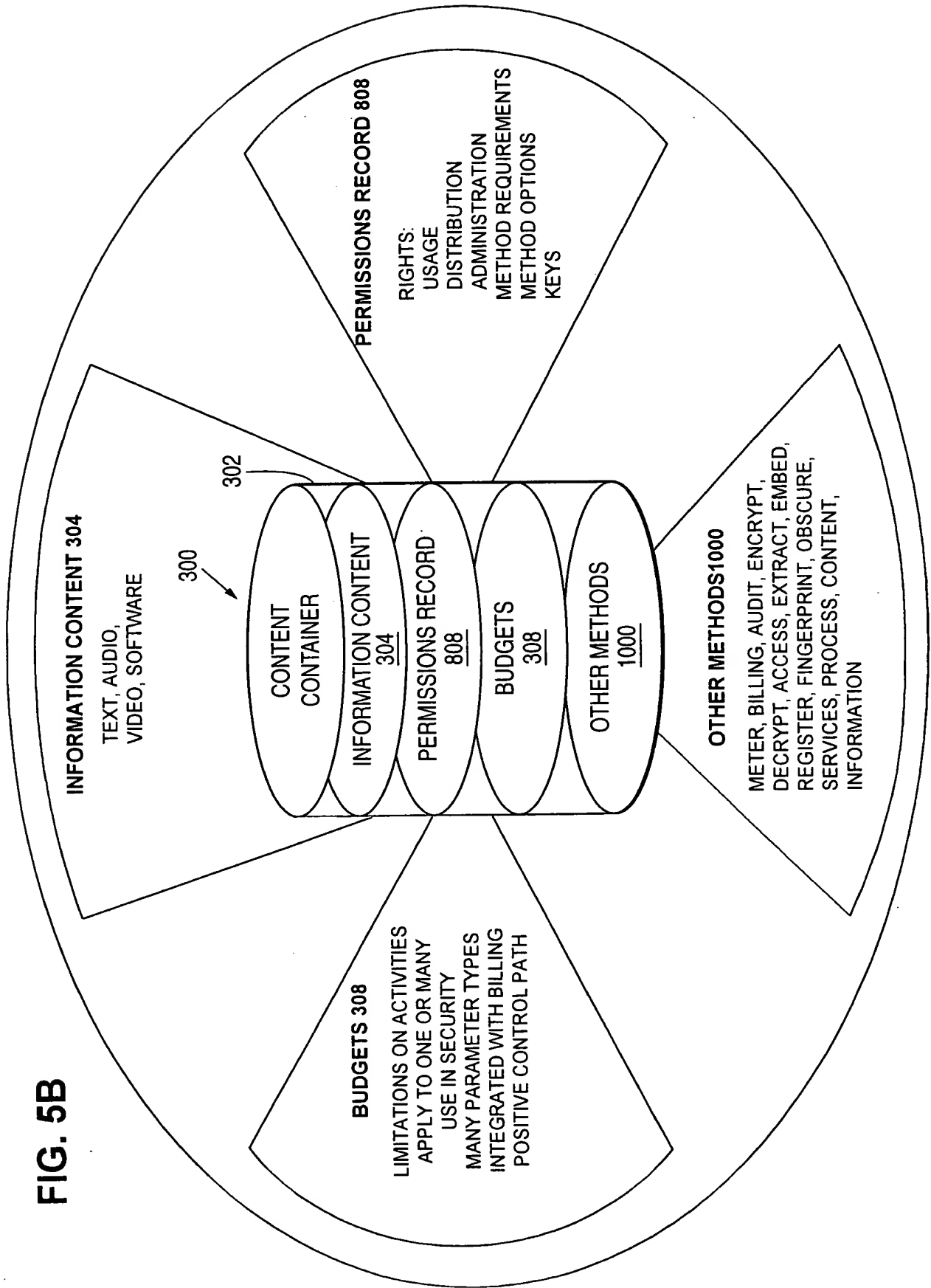


FIG. 4

FIG. 5A



09/643/007401



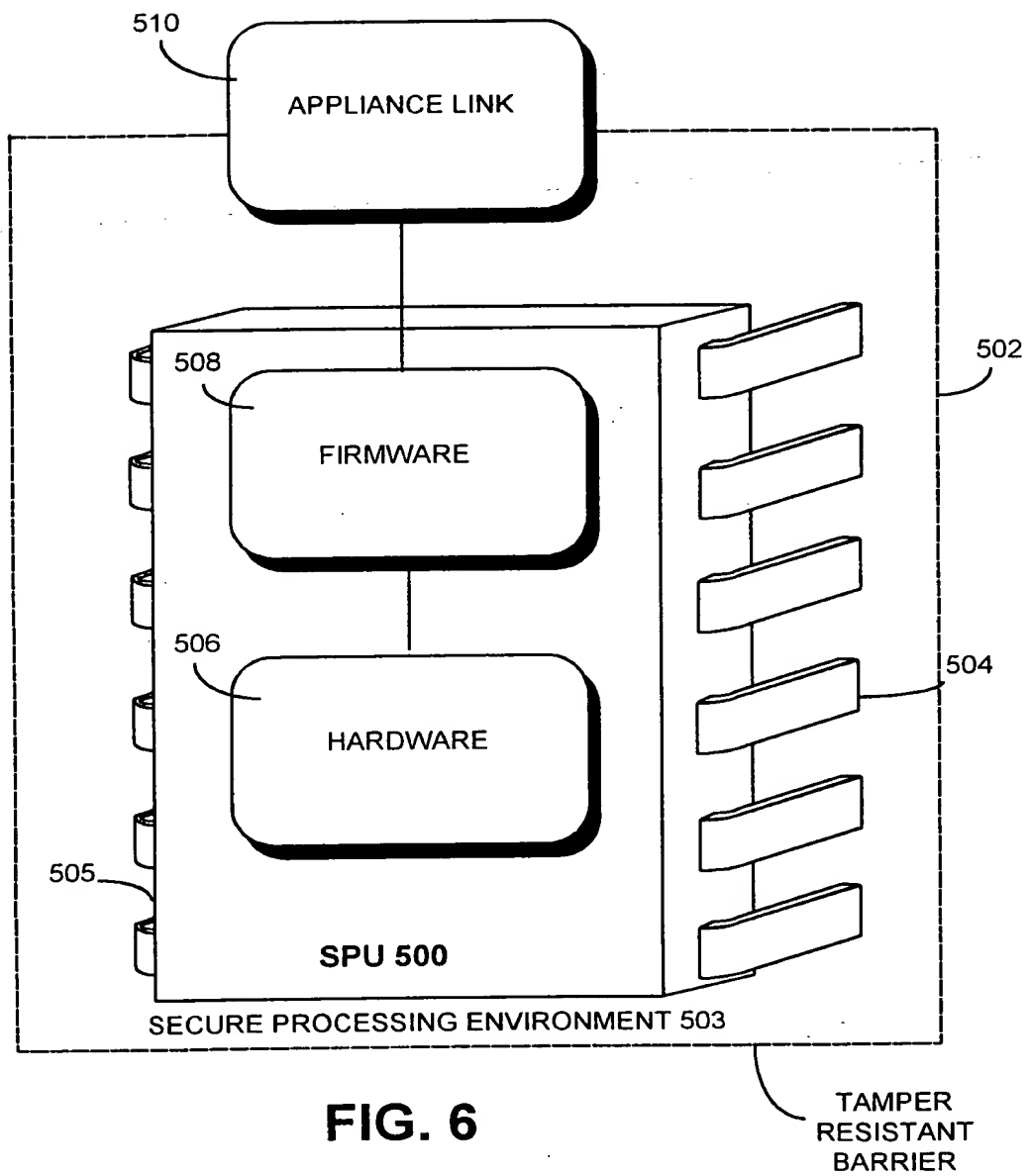


FIG. 6

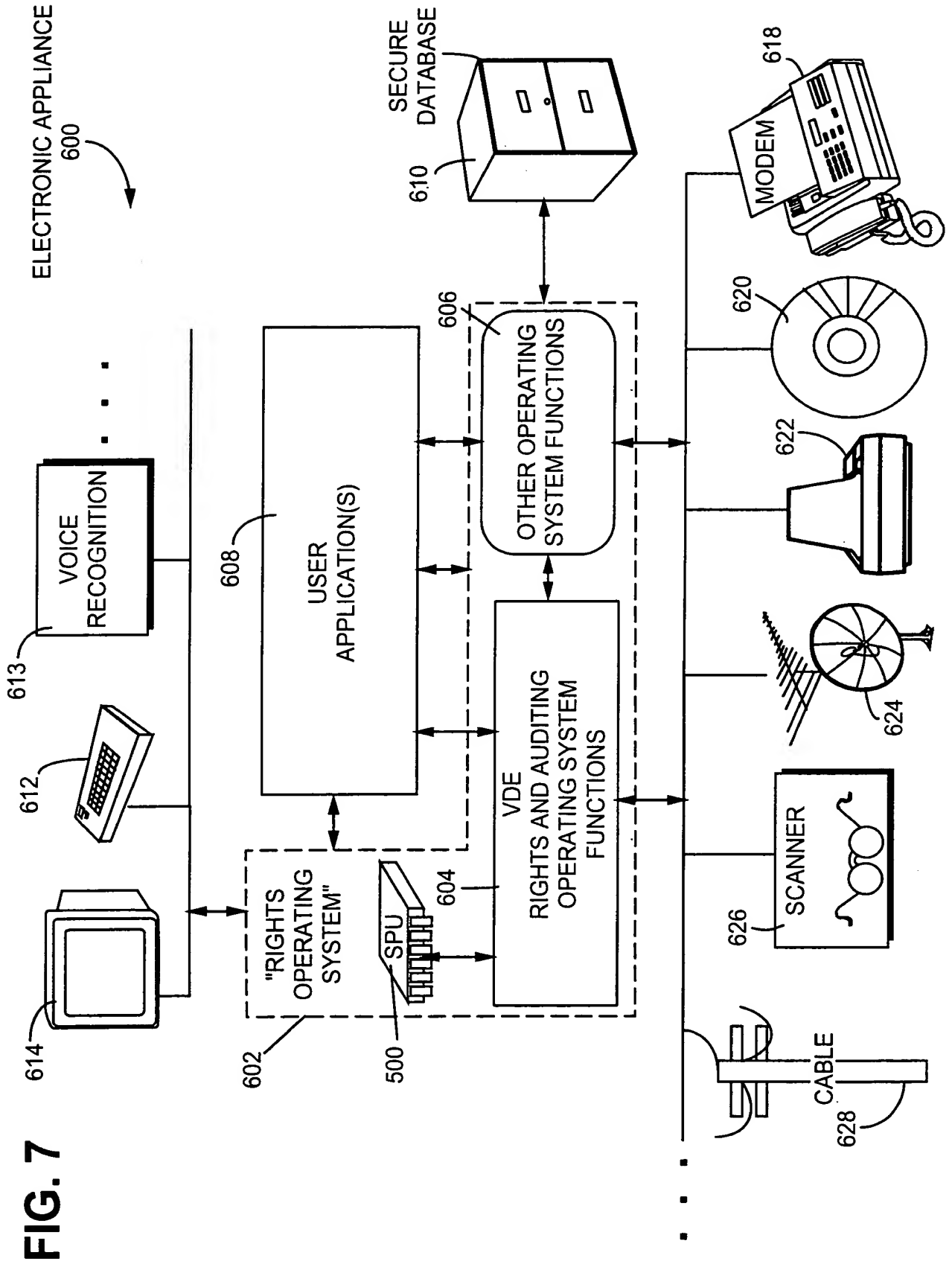
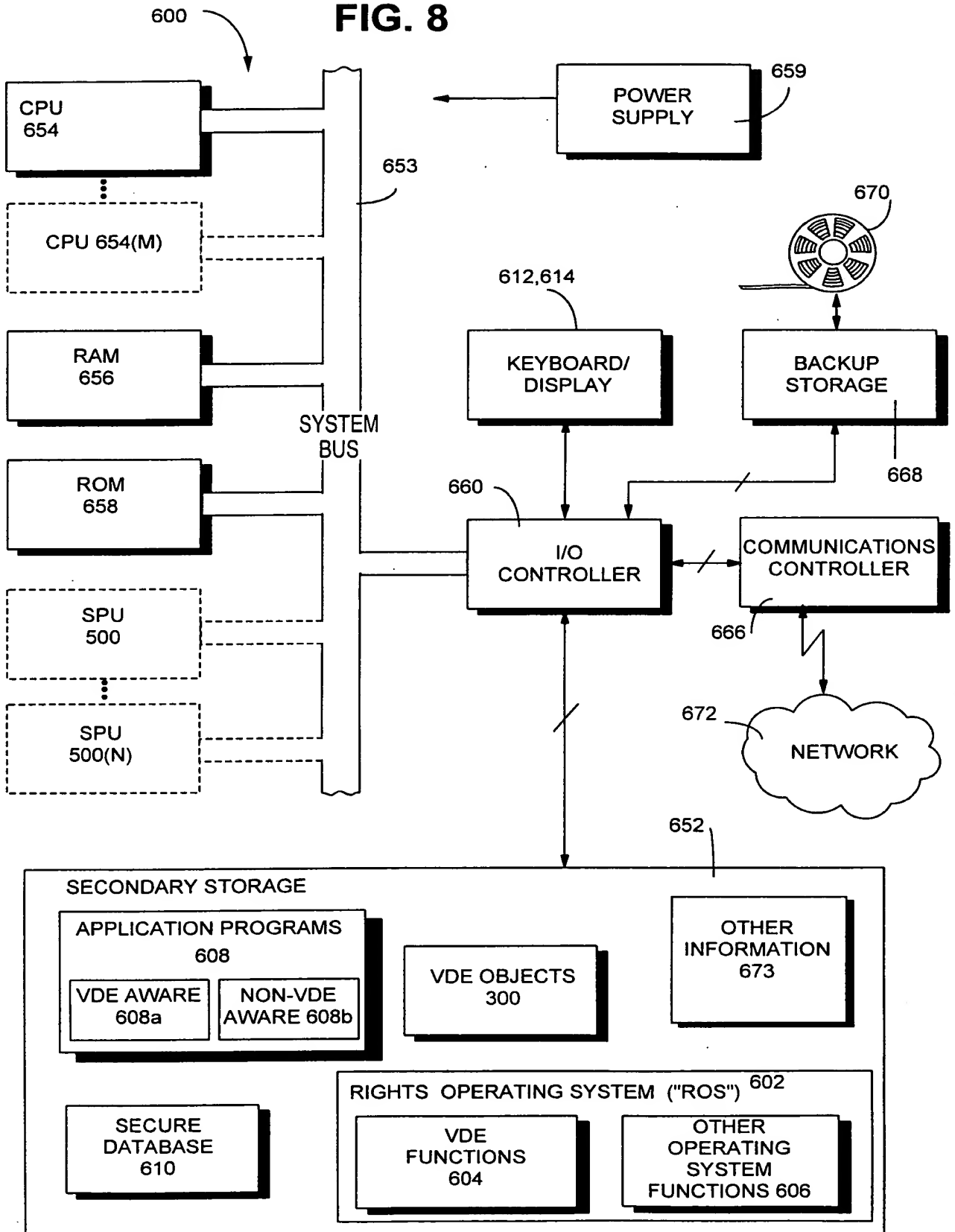


FIG. 8



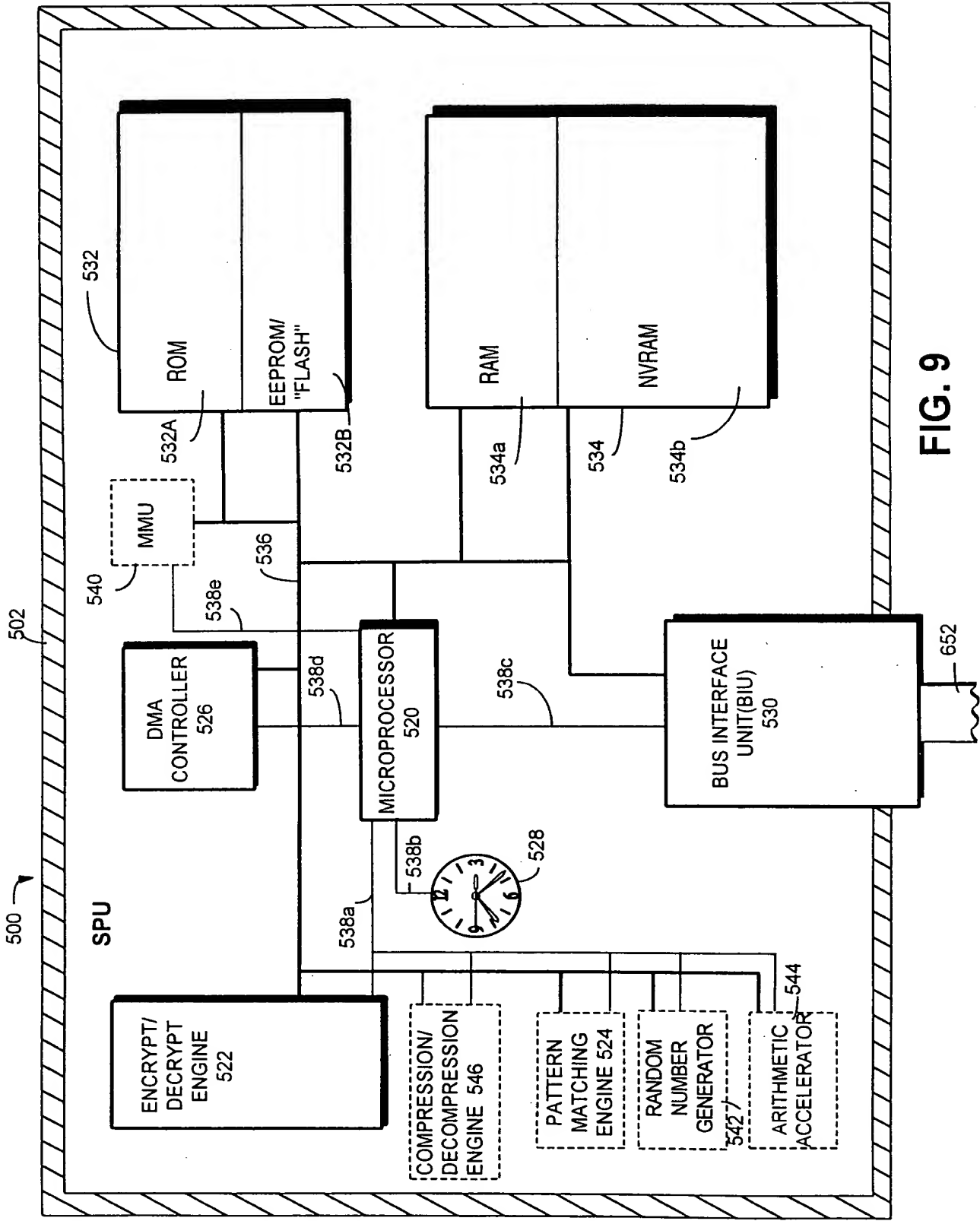


FIG. 9

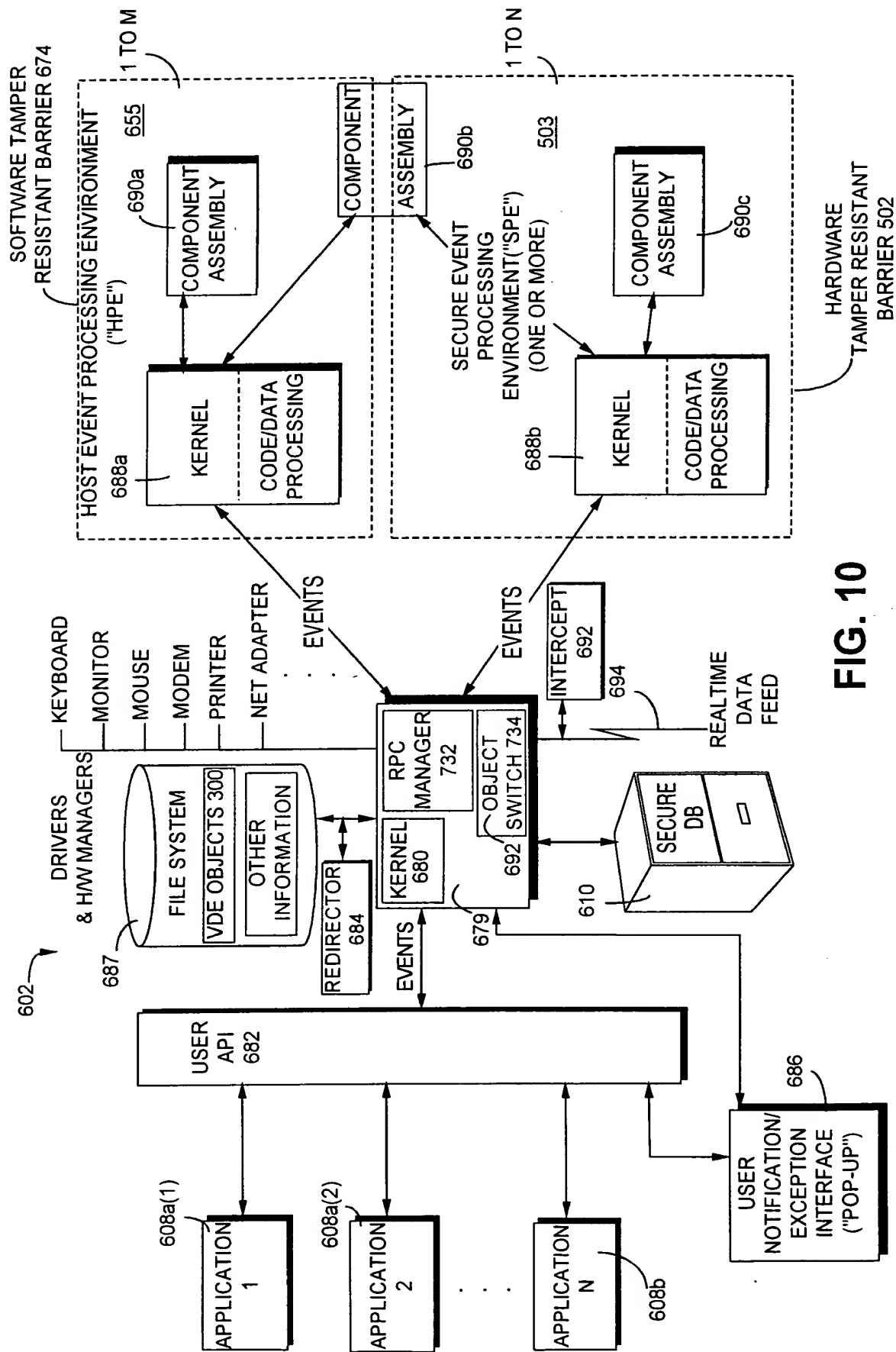


FIG. 11A

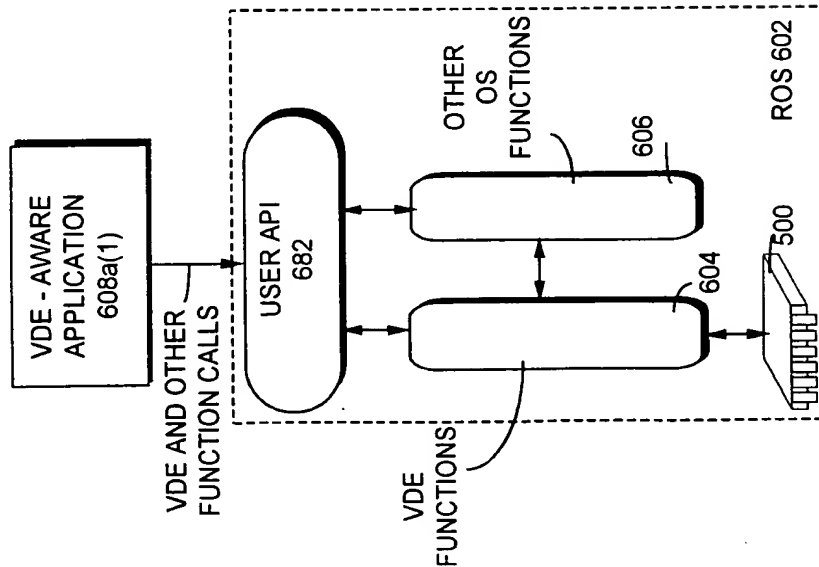


FIG. 11B

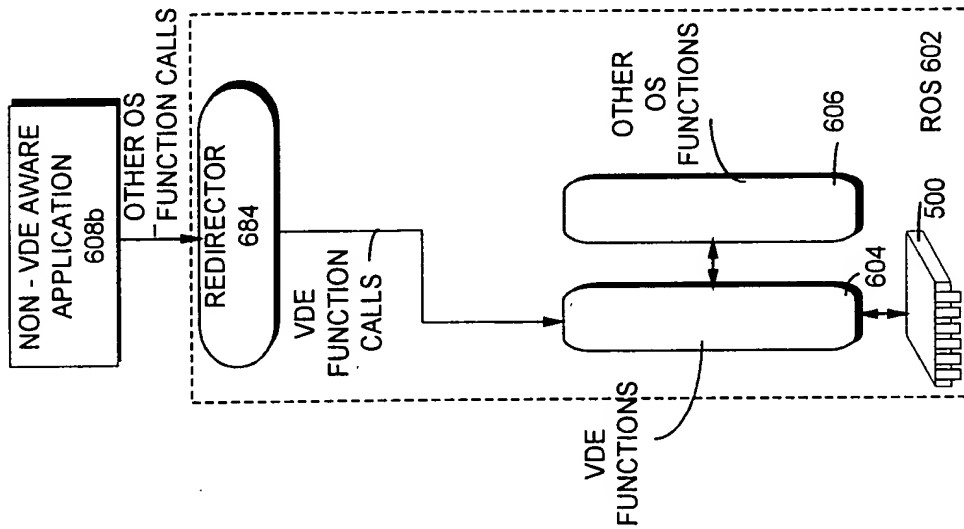
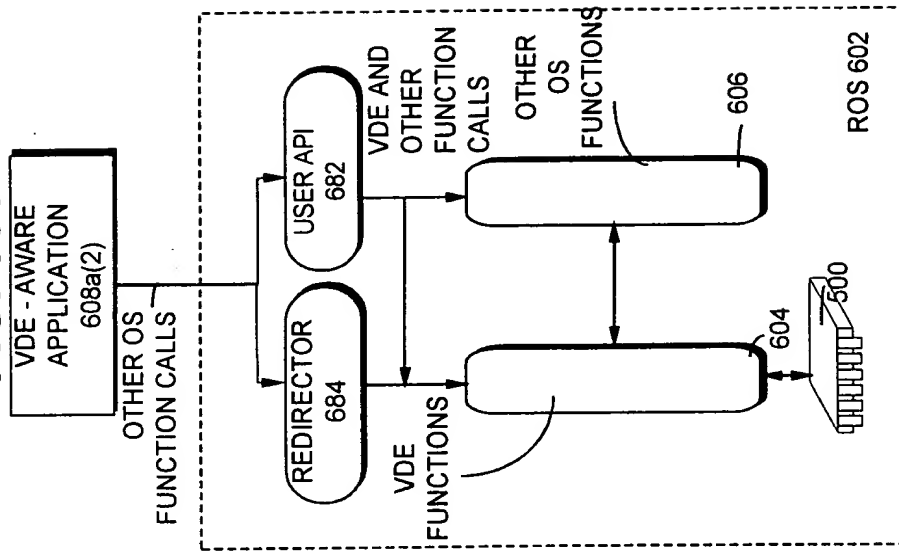


FIG. 11C



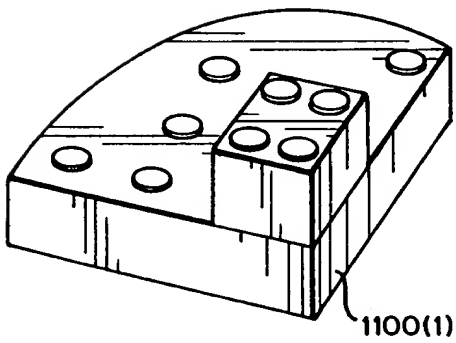
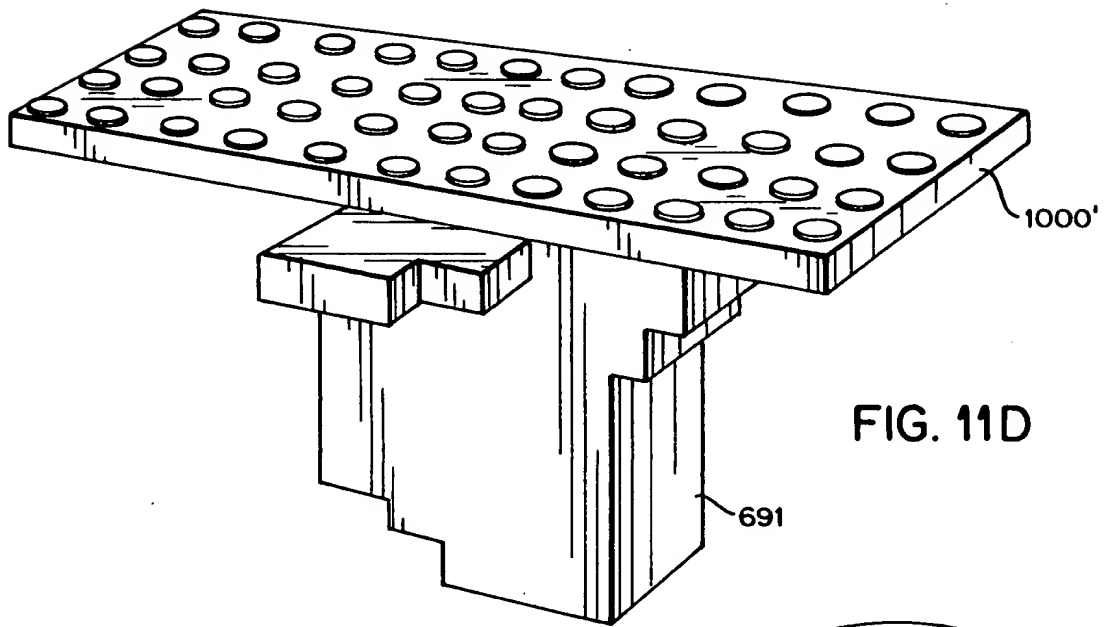


FIG. 11E

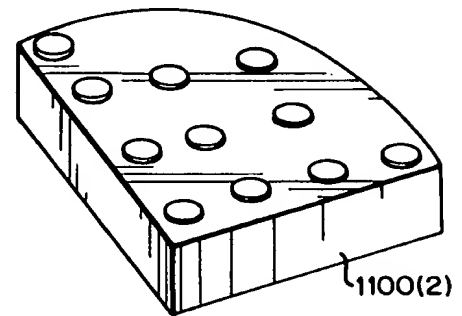


FIG. 11F

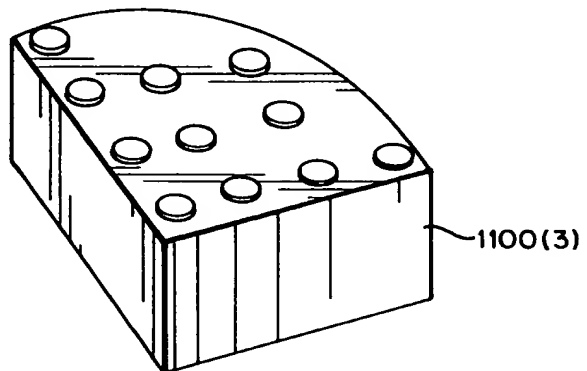


FIG. 11G

09764370 "072301

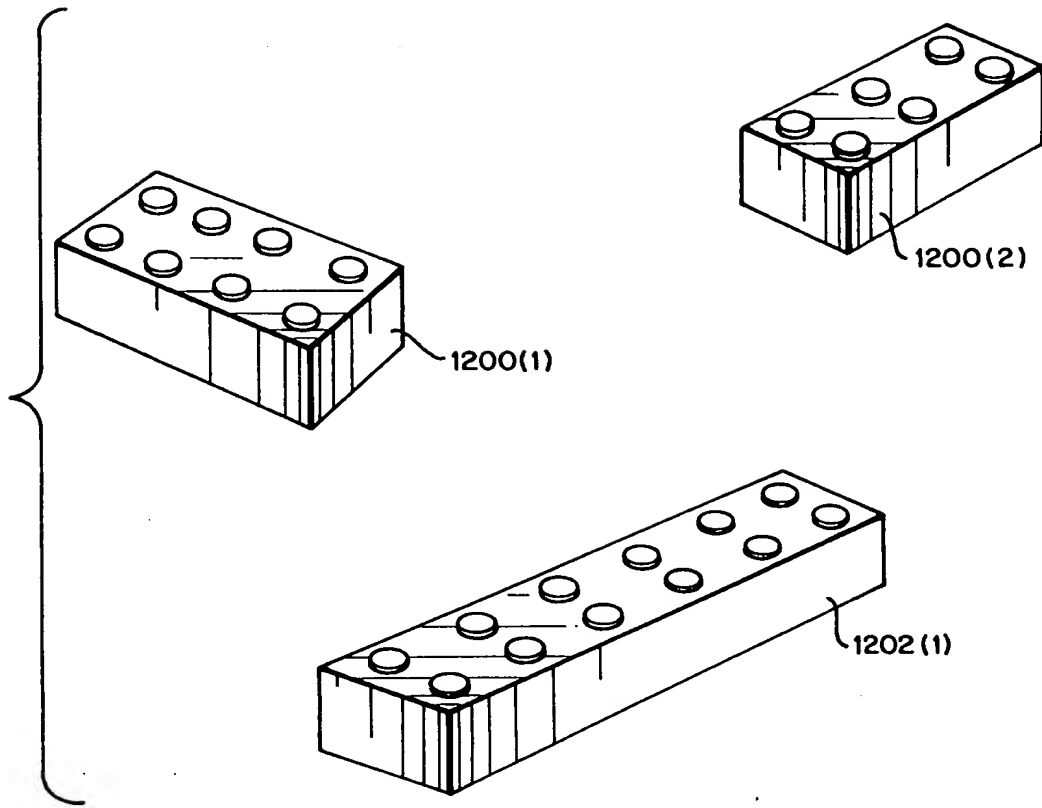
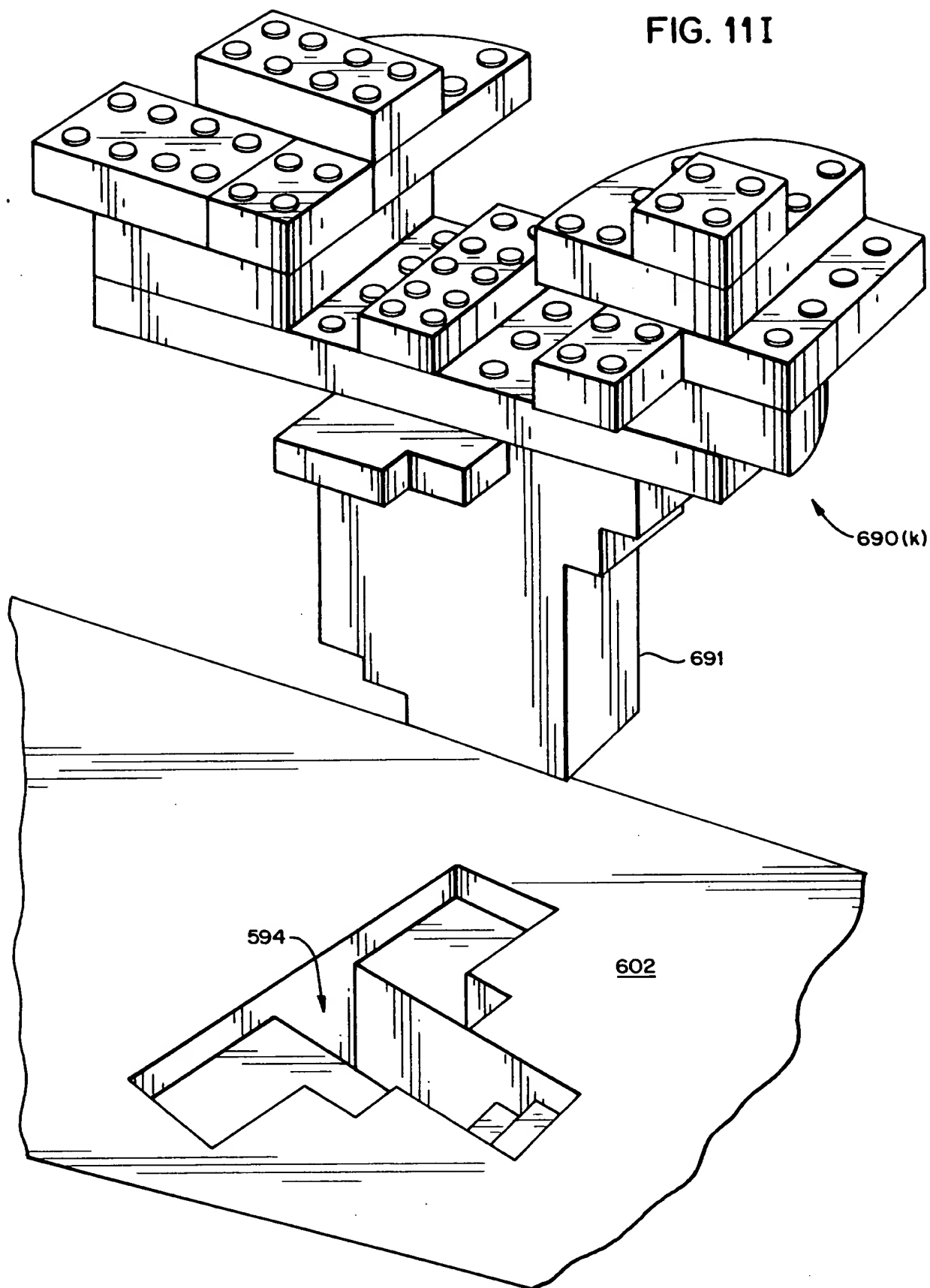


FIG. 11H

FIG. 11I



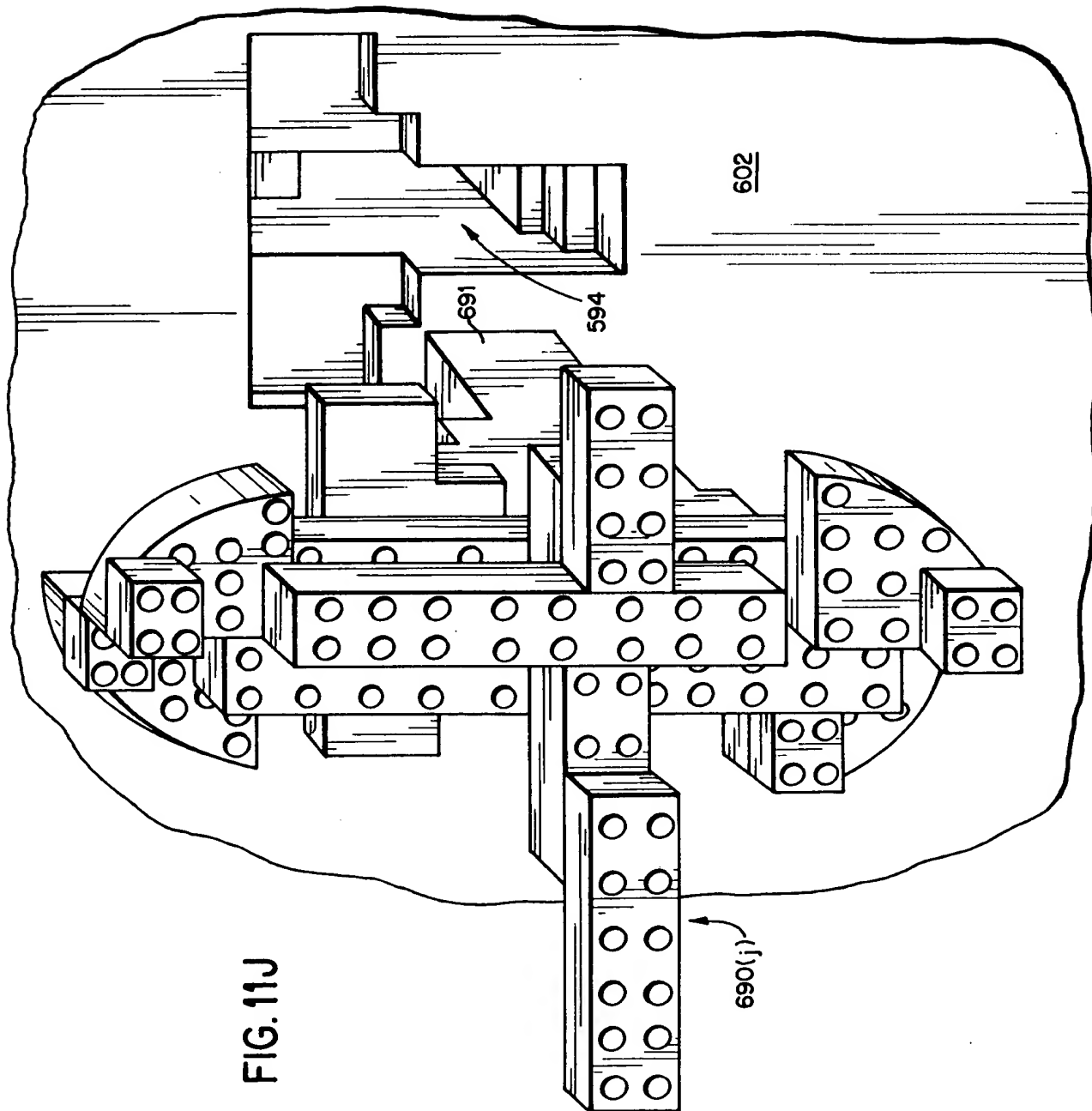


FIG. 12A

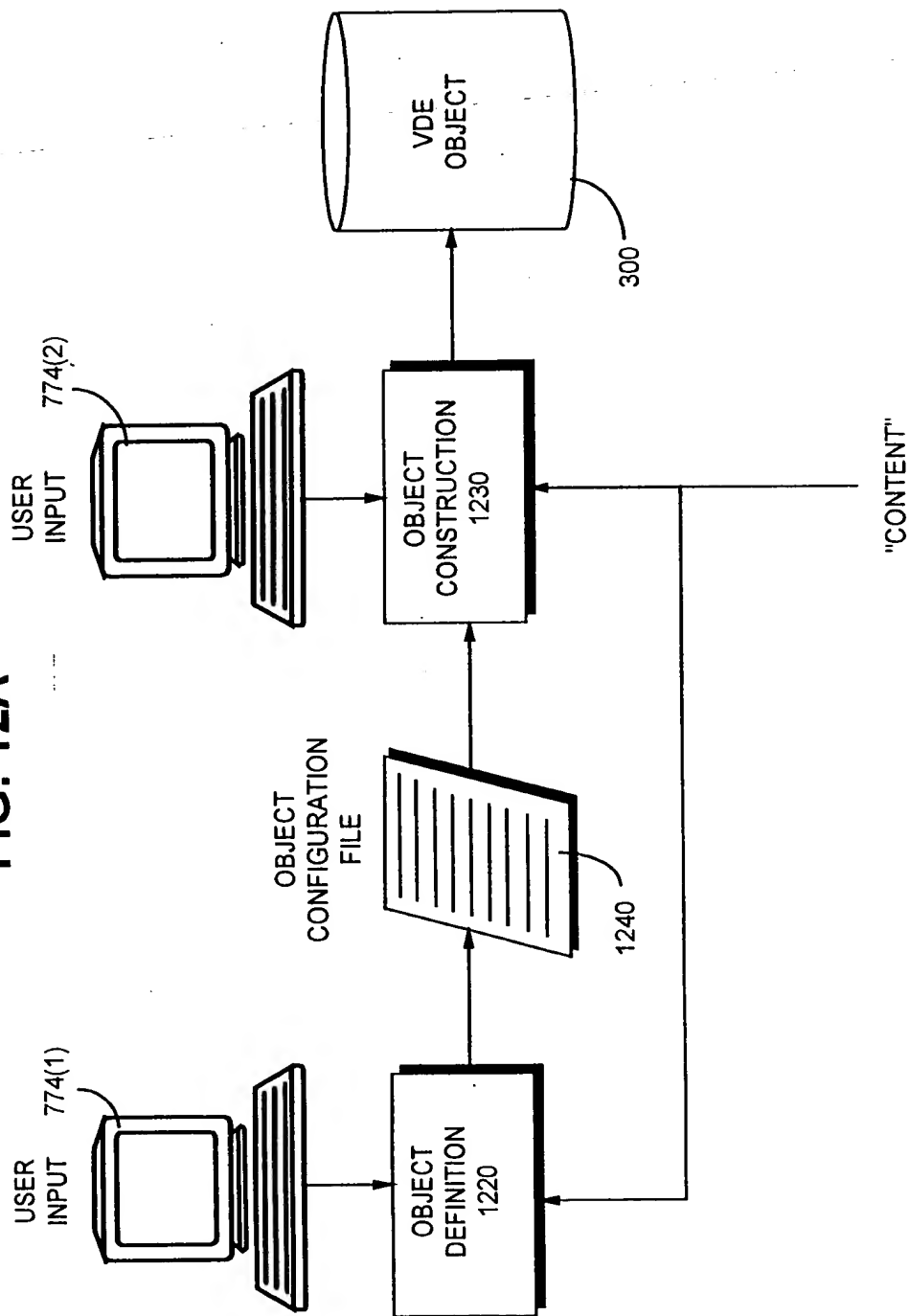


FIG. 13

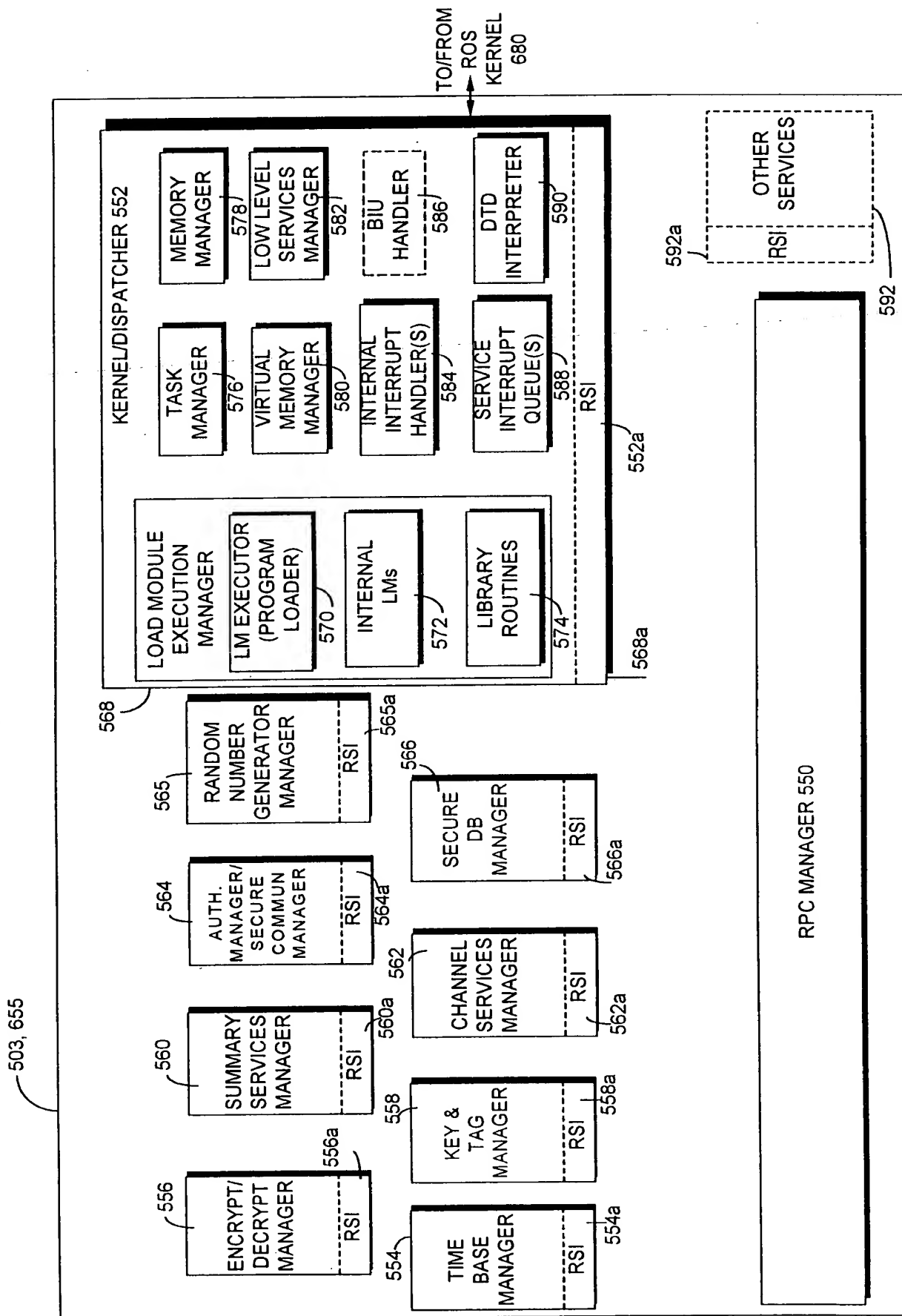


FIG. 14A

DEVICE FIRM WIRE LOW LEVEL SERVICES 582
INITIALIZATION
POST
DOWNLOAD CHALLENGE/RESPONSE AND AUTHENTICATION
RECOVERY
EEPROM/FLASH MEMORY MANAGER
KERNEL/DISPATCHER 552
INITIALIZATION
TASK MANAGER 576 (SLEEP/AWAKE/CONTEXT SWAP)
INTERRUPT HANDLER 584 (TIMER/BIU/POWER FAIL/WATCHDOG TIMER/ENCRYPTION COMPLETED)
BIU HANDLER 586
MEMORY MANAGER 578
INITIALIZATION (SETTING MMU TABLES
ALLOCATE
DEALLOCATE
VIRTUAL MEMORY MANAGER 580
SWAP BLOCK PAGING
EXTERNAL MODULE PAGING
MEMORY COMPRESS
RPC AND TABLES 550
INITIALIZATION
MESSAGING CODE /SERVICES MANAGER
SEND/RECEIVE
STATUS
RPC DISPATCH TABLE
RPC SERVICE TABLE

•
•
•

TIME BASE MANAGER 554
ENCRYPTION/DECRYPTION MANAGER 556
PK
BULK
KEY AND TAG MANAGER 558
KEY STORAGE IN EEPROM
KEY LOCATOR
KEY GENERATOR
CONVOLUTION ALGORITHM
SUMMARY SERVICES MANAGER 560
EVENT SUMMARIES
BUDGET SUMMARIES
DISTRIBUTER SUMMARY SERVICES
CHANNEL SERVICES MANAGER 562
CHANNEL HEADERS
CHANNEL DETAILS
LOAD MODULE EXECUTION SERVICES 568
AUTHENTICATION MANAGER/SECURE COMMUNICATION MANAGER 564
DATABASE MANAGER 566
MANAGEMENT FILE SUPPORT
TRANSACTION AND SEQUENCE NUMBER SUPPORT
SRN/ HASH
DTD INTERPRETER 590
LIBRARY ROUTINES 574
I/O CALLS (STRING SEARCH ETC.)
MISC. ITEMS THAT ARE PROBABLY LIBRARY ROUTINES
TAG CHECKING, MD5, CRC'S
INTERNAL LM'S 572 FOR BASIC METHODS
METER LOAD MODULE(S)
BILLING LOAD MODULE(S)
BUDGET LOAD MODULE(S)
AUDIT LOAD MODULE(S)
READ OBJECT LOAD MODULE(S)
WRITE OBJECT LOAD MODULE(S)
OPEN OBJECT LOAD MODULE(S)
CLOSE OBJECT LOAD MODULE(S)

•
•
•

FIG. 14B

PUBLIC KEY AND PRIVATE KEY, SYSTEM ID, AUTHENTICATION CERTIFICATE, VDE SYSTEM PUBLIC KEY, PRIVATE DES KEY
TOP LEVEL KEYS FOR OBJECTS
TOP LEVEL BUDGET INFO
METER SUMMATION VALUES
KEY RECORDS FOR BUDGET RECORDS, AUDIT RECORDS, STATIC MANAGEMENT RECORDS, UPDATED MANAGEMENT RECORDS, ETC.
: : :
DEVICE DATA TABLE
SITE ID
TIME
ALARMS
TRANSACTION/SEQUENCE #S
MISCELLANEOUS
MEMORY MAP
MAP METERS
LM/UDT TABLE
TASK MANAGER 576
CHANNEL(S)
SUMMARY SERVICES 560
SECURE DATABASE TAGS
SRN ENTRIES
HASH ENTRIES

•
•
•

•
•
•

•
•
•

FIG. 14C

STACK	
:	
CHANNEL SWAP BLOCK	CHANNEL LM
	CHANNEL HEADER & D1
CONTROL SWAP BLOCK	CONTROL LM
	CONTROL D1
	COMMIT LM
	COMMIT D1, D2, D3
EVENT SWAP BLOCK	EVENT LM
	MAP TABLE (SINGLE) D1
METER SWAP BLOCK	METER LM
	METER UDE DELTA, DELTA'
	METER TRAIL LM
	METER TRAIL UDE DELTA, DELTA'
BUDGET SWAP BLOCK	METER LM
	METER UDE DELTA, DELTA'
	METER TRAIL LM
	METER TRAIL UDE DELTA, DELTA'
BILLING SWAP BLOCK	BILLING LM
	METER UDE
	BUDGET UDE
	BILLING TABLE UDE
	BILLING TRAIL LM
	BILLING TRAIL UDE DELTA'

:

09/64370-072301

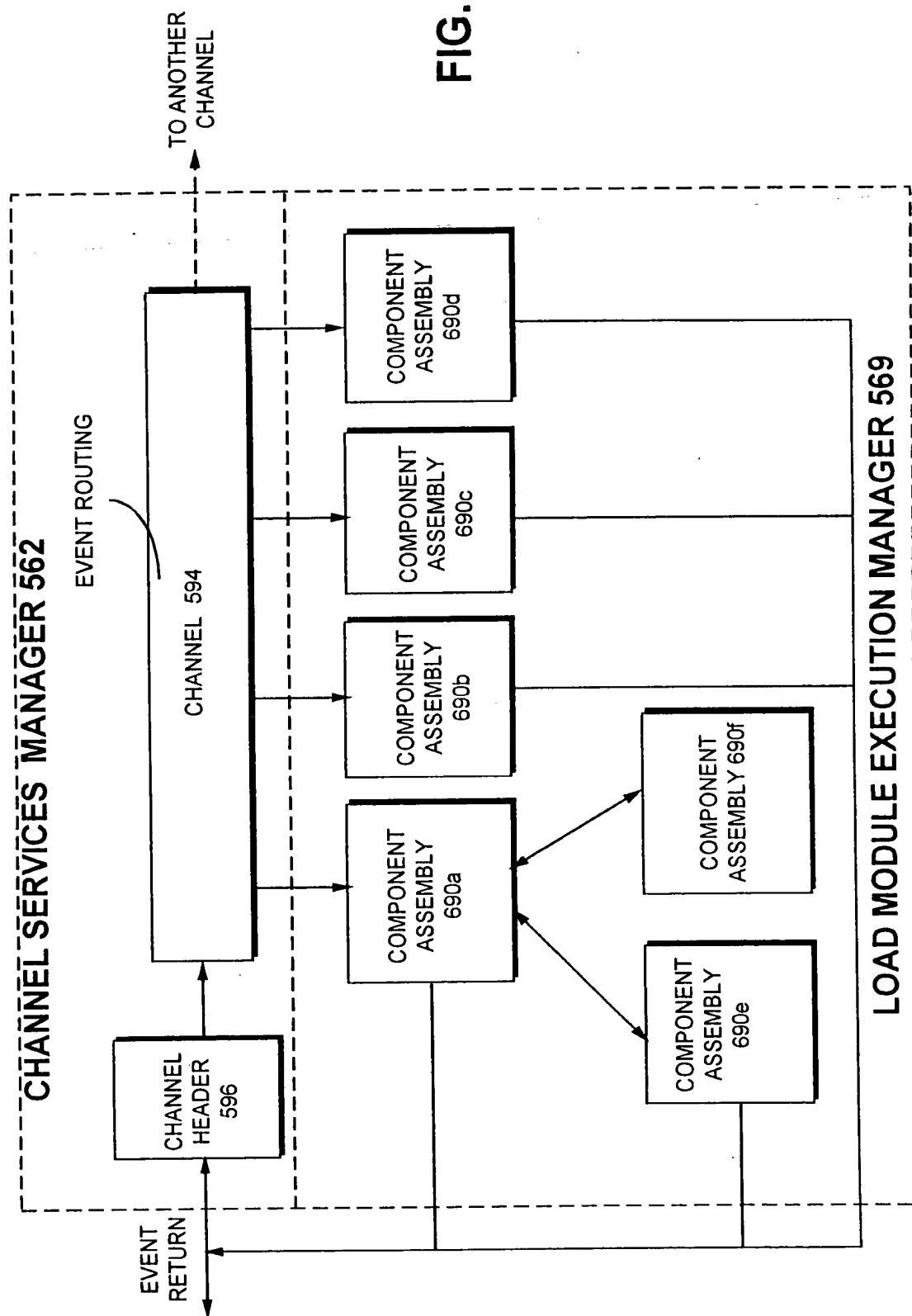


FIG. 15

FIG. 15A

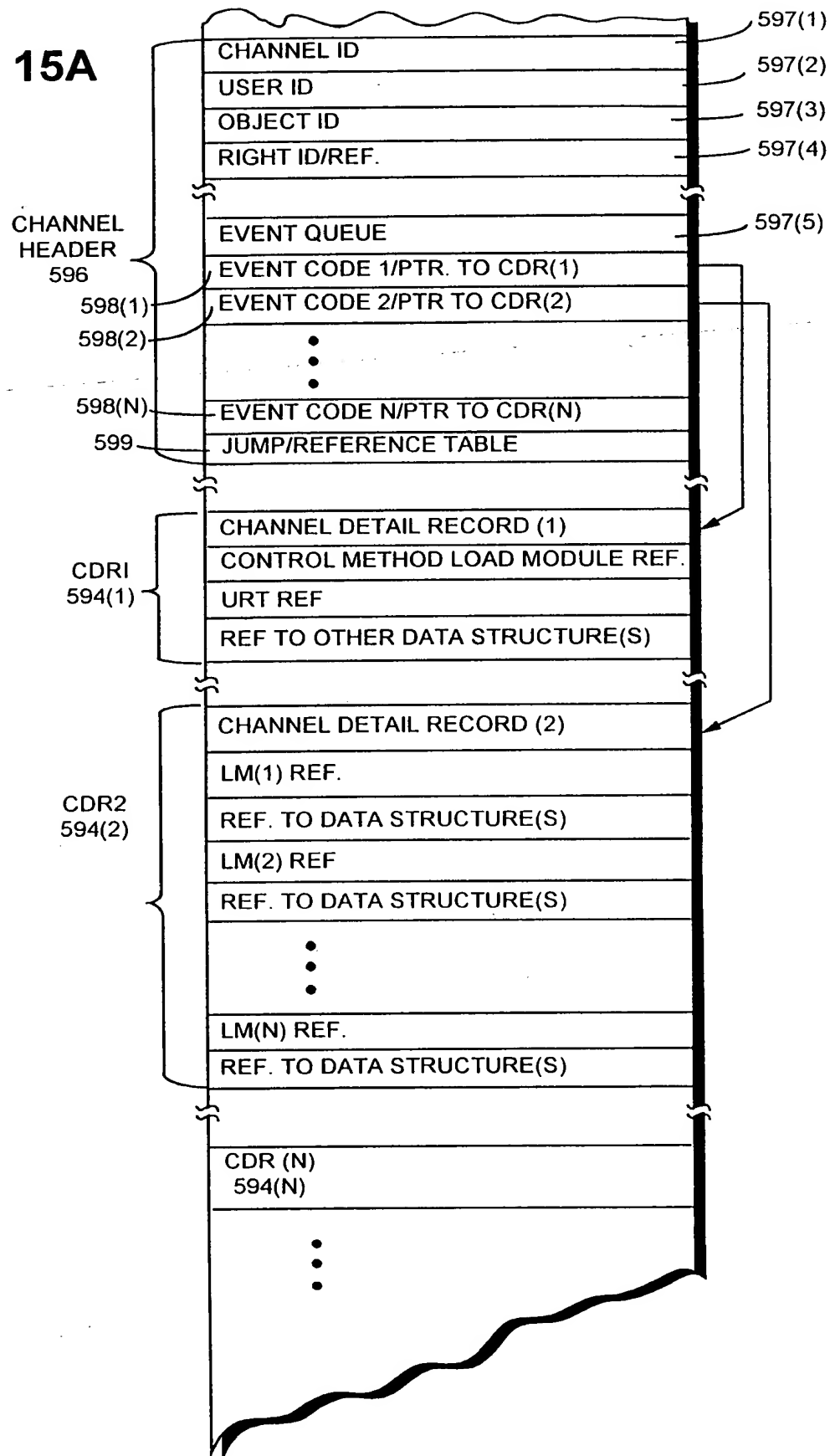


FIG. 15B

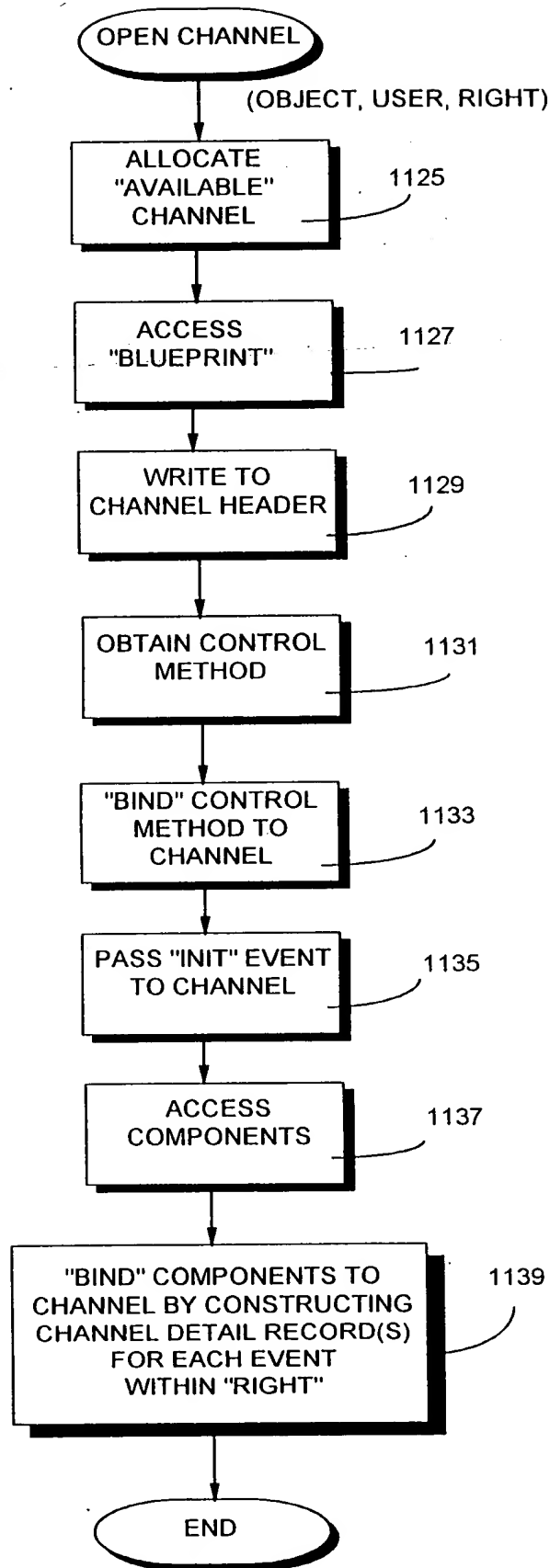
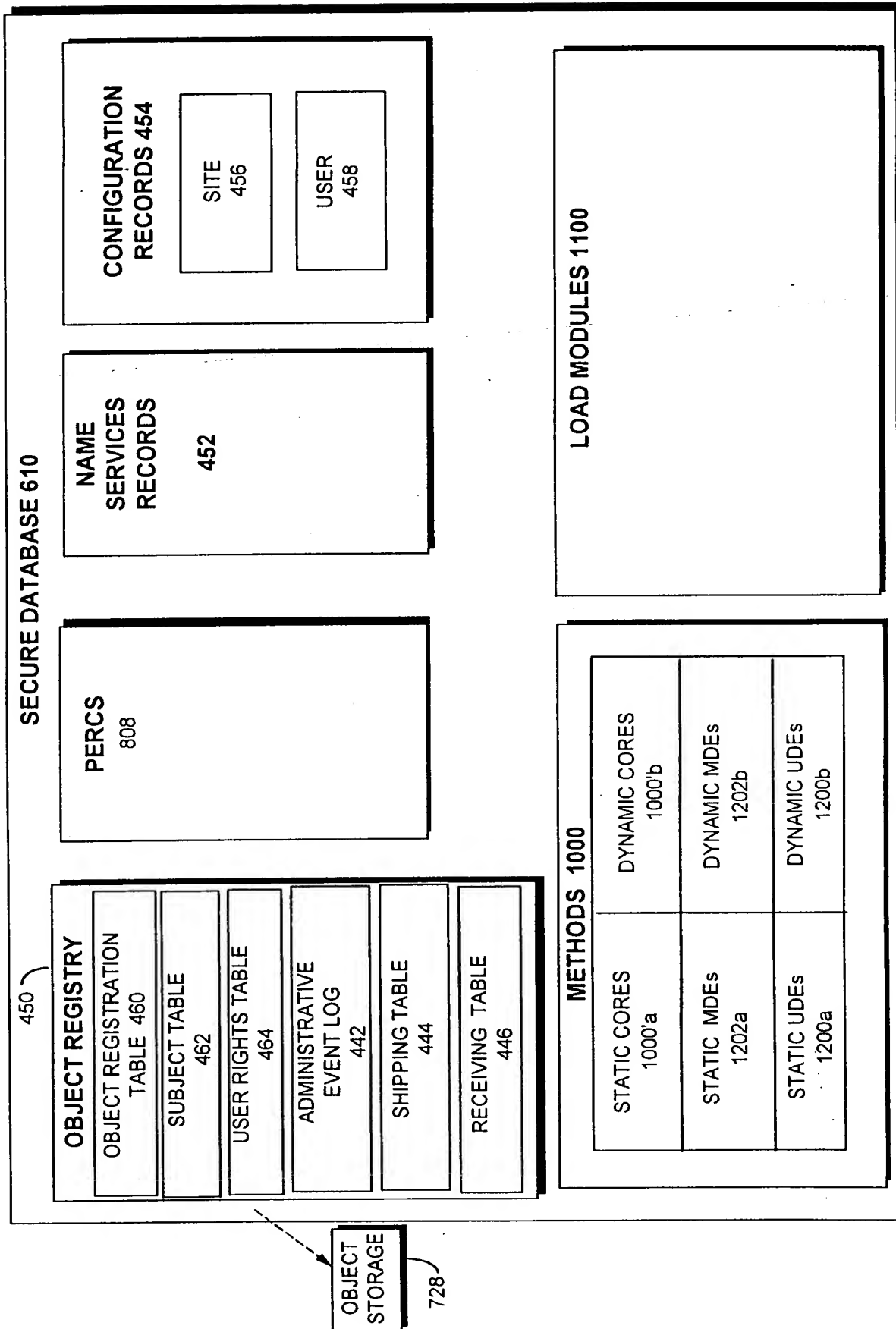


FIG. 16



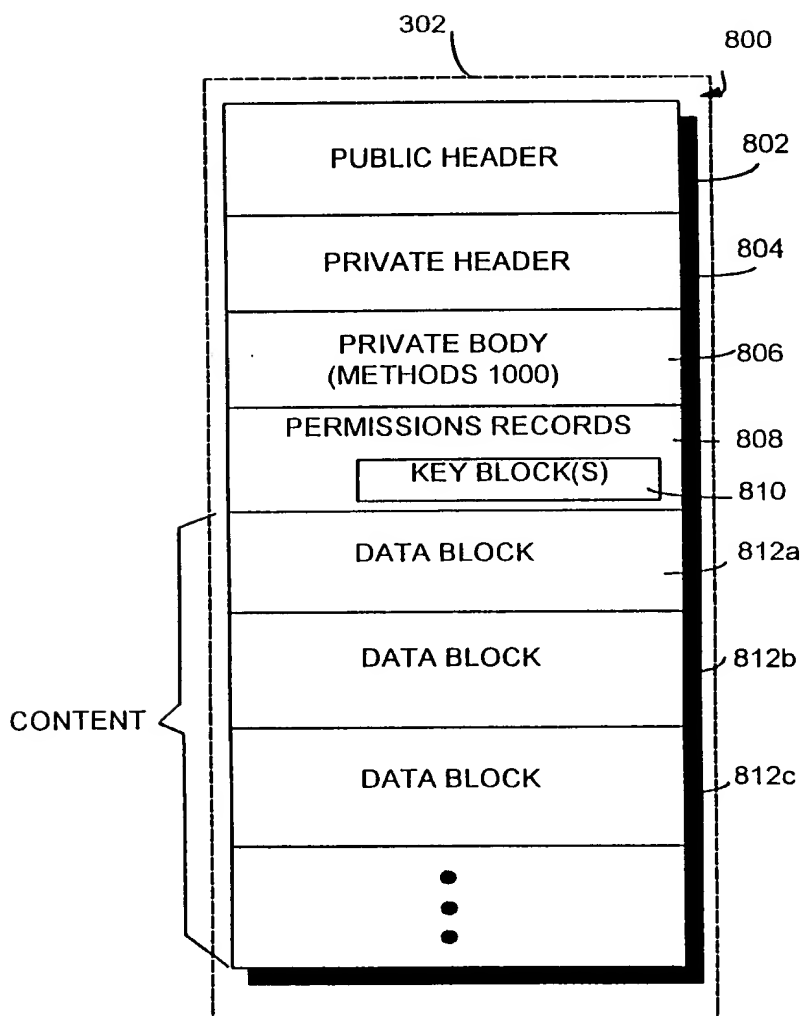


FIG. 17

09/04/00 09:49:50

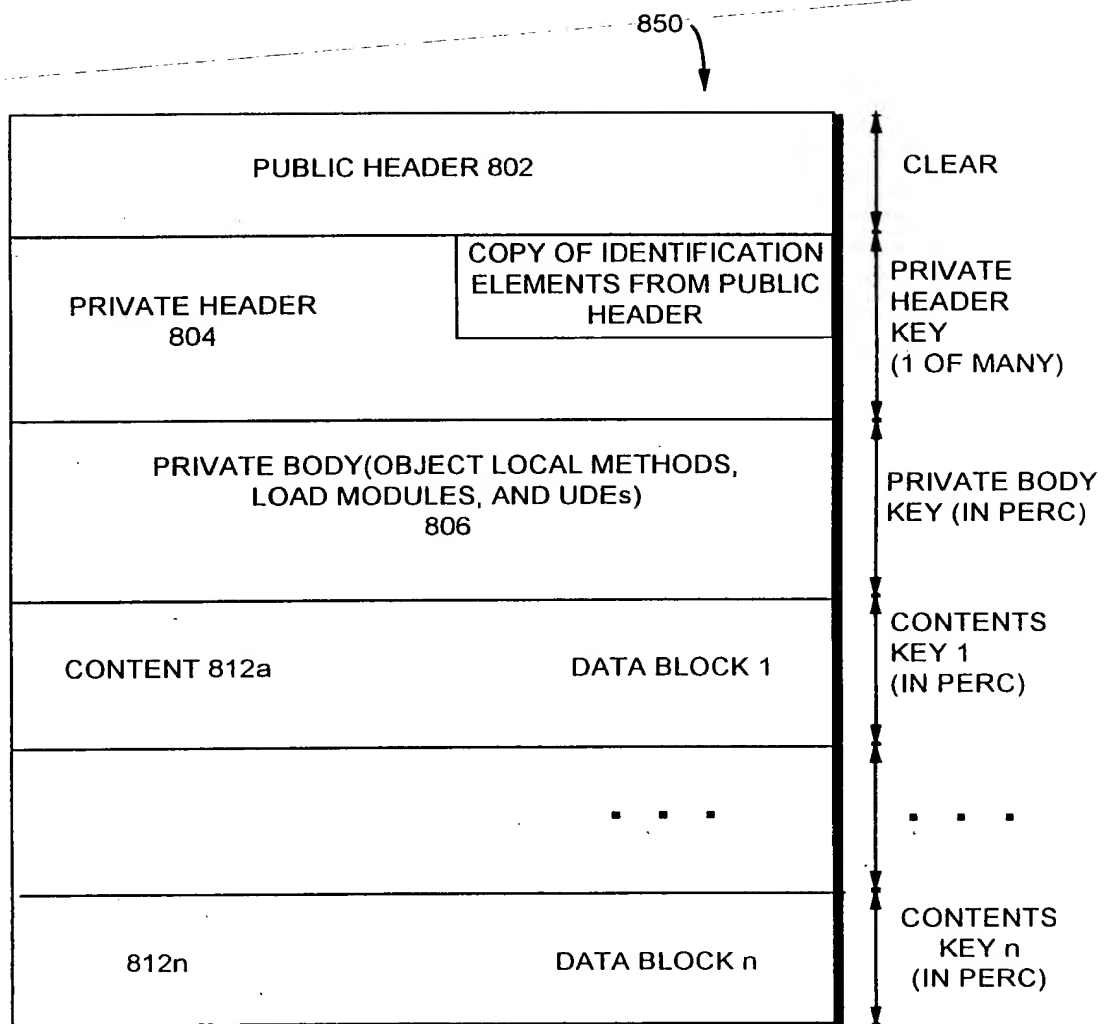


FIG. 18

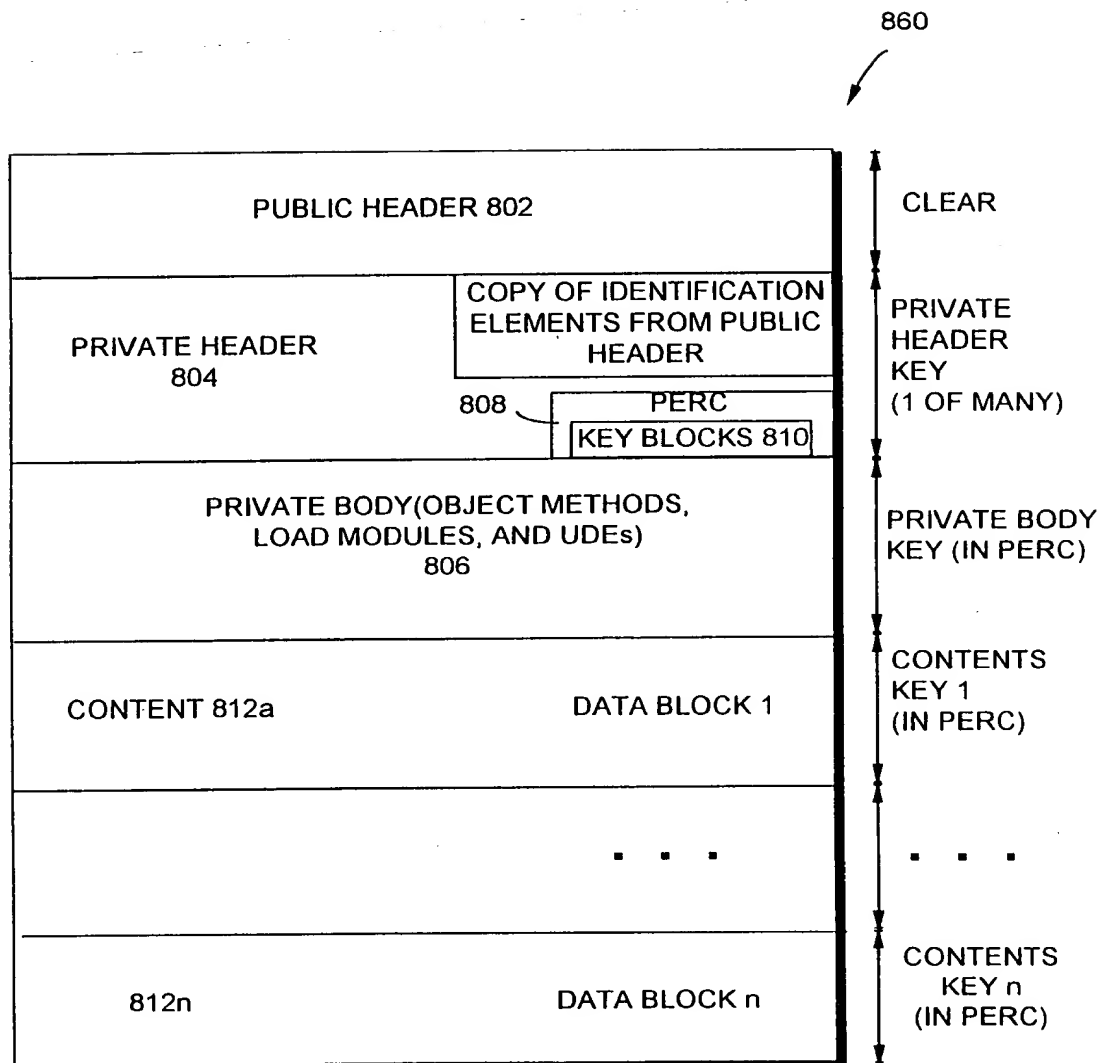


FIG. 19

09/27/00 09:49:50

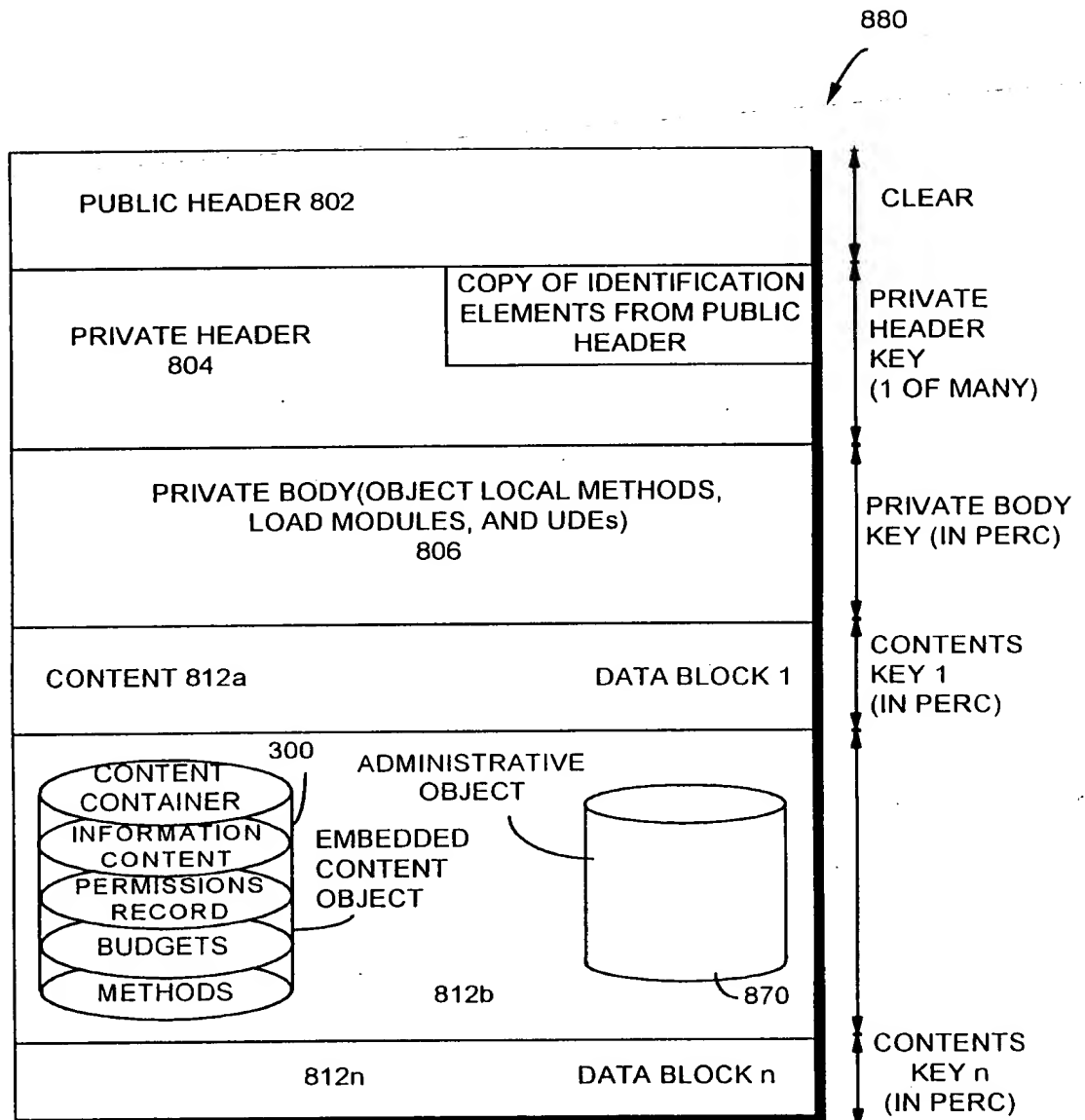


FIG. 20

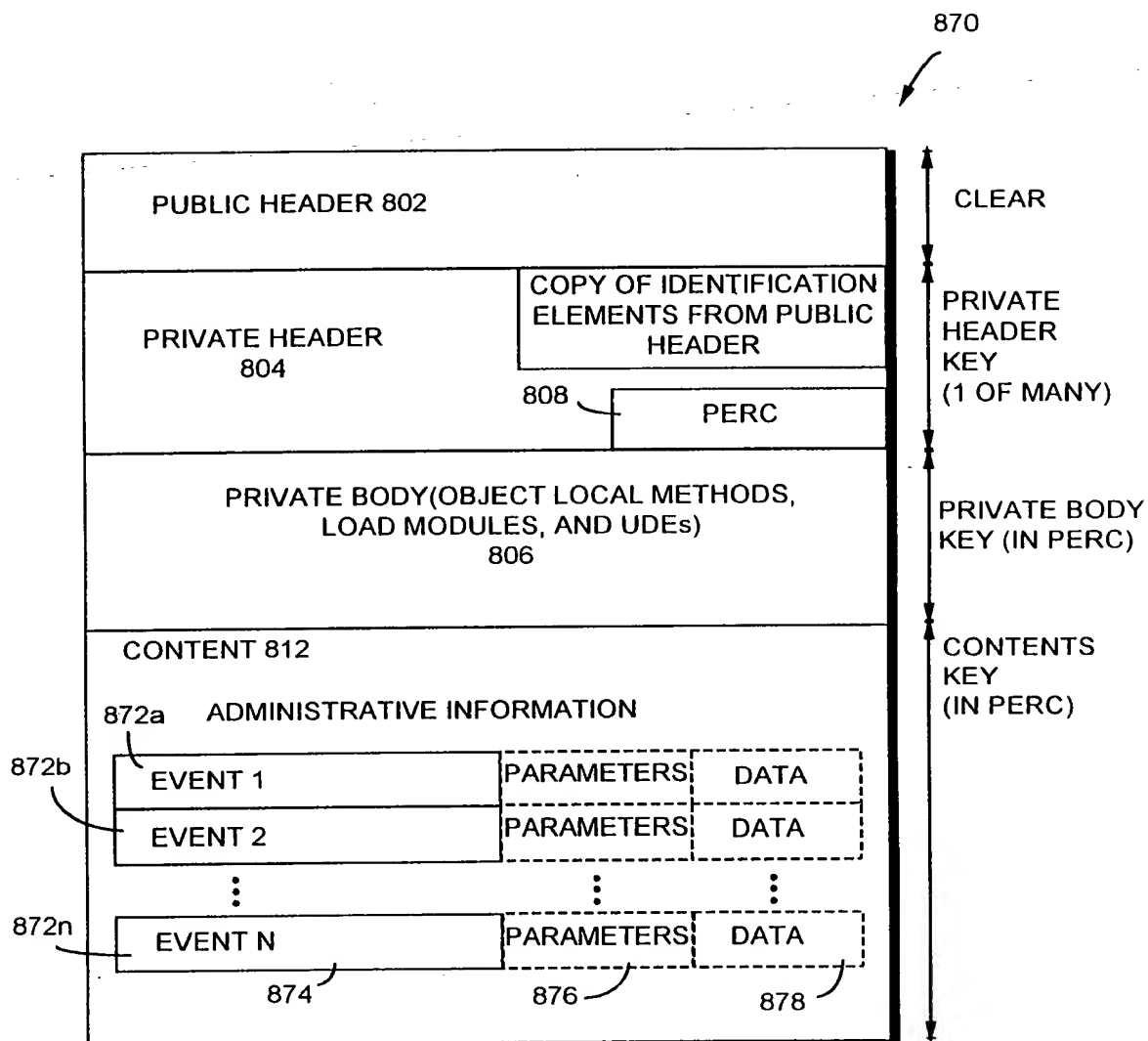
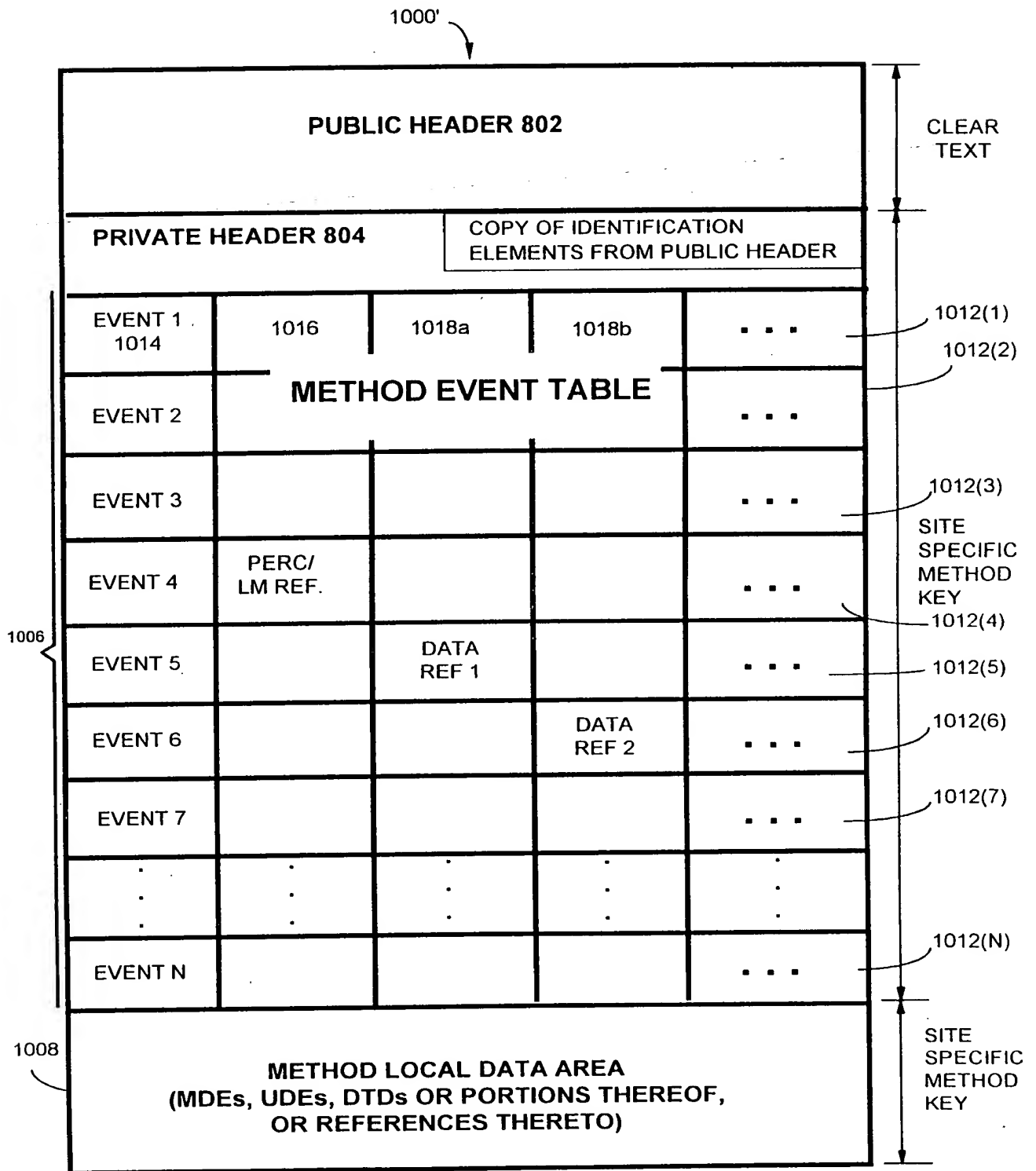


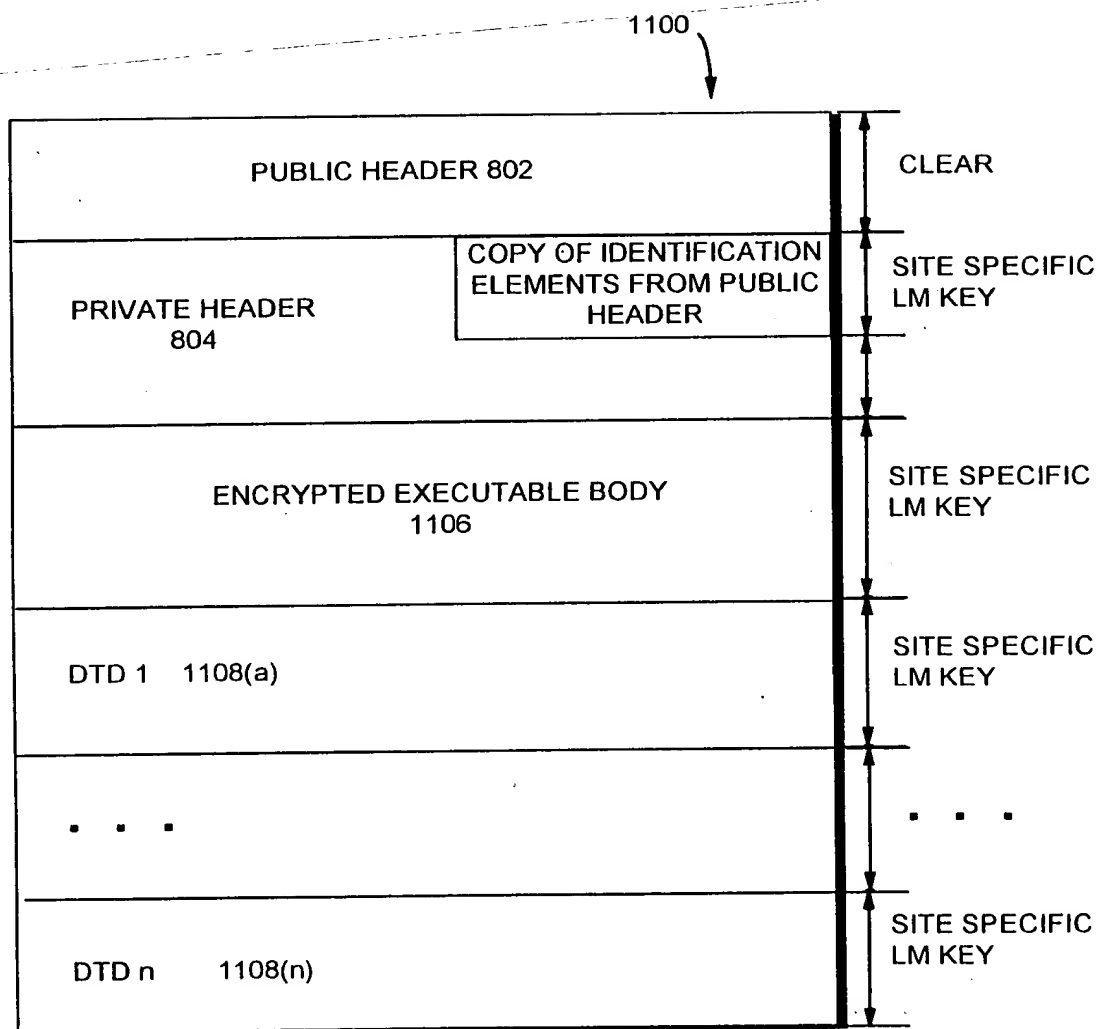
FIG. 21

FIG. 22



09/20/2007

FIG. 23



09/27/2004

FIG. 24

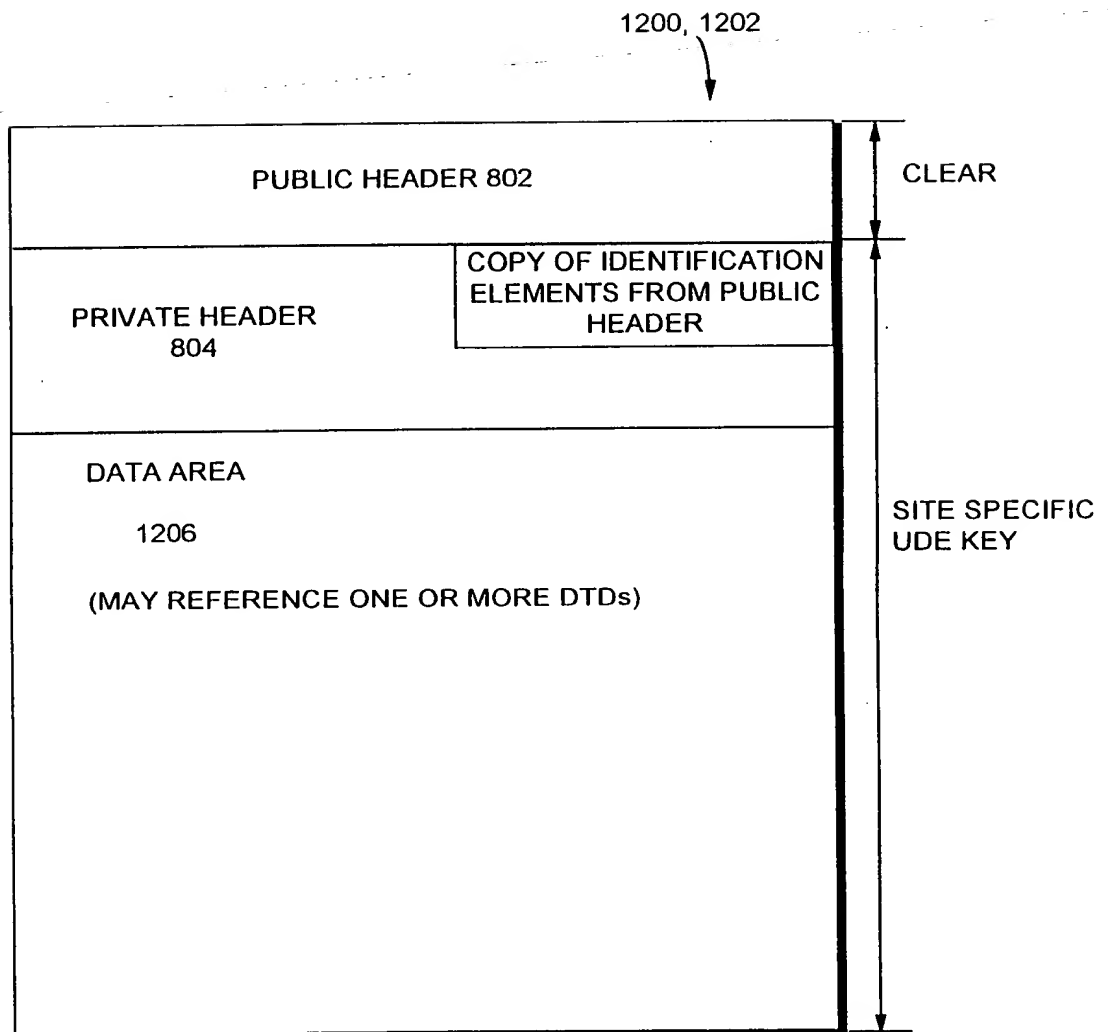


FIG. 25A

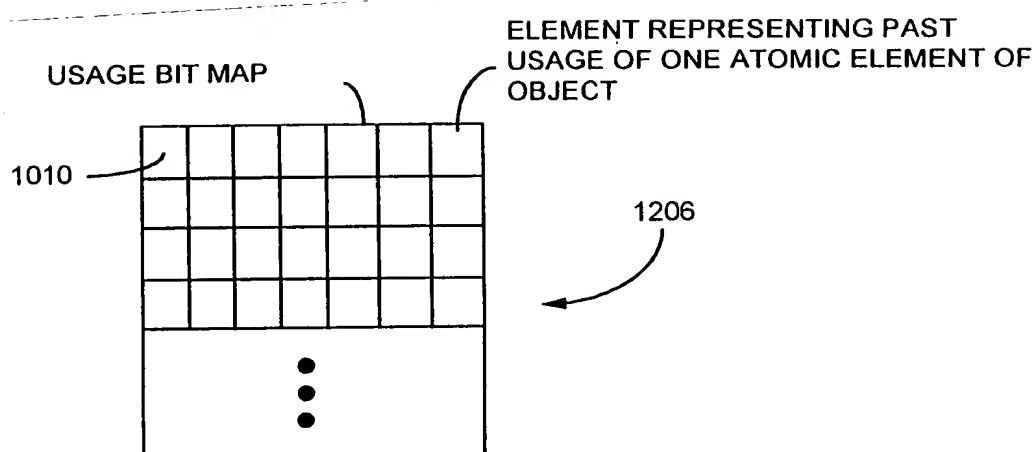


FIG. 25B

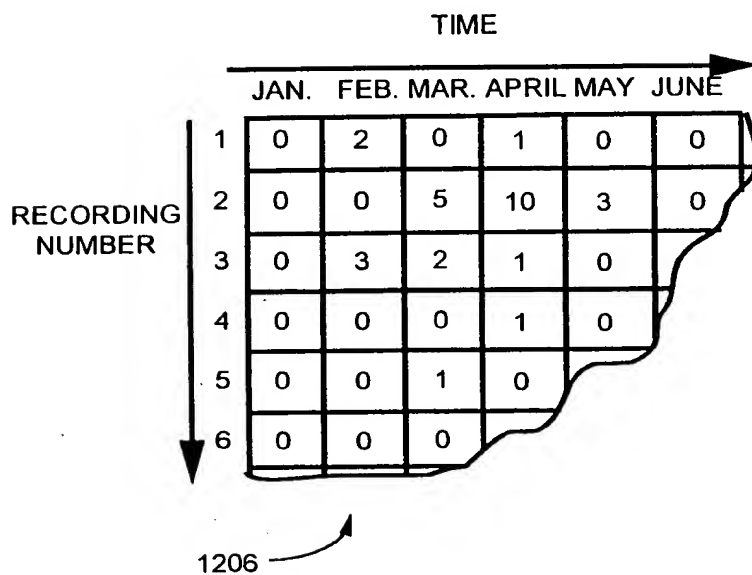


FIG. 25C

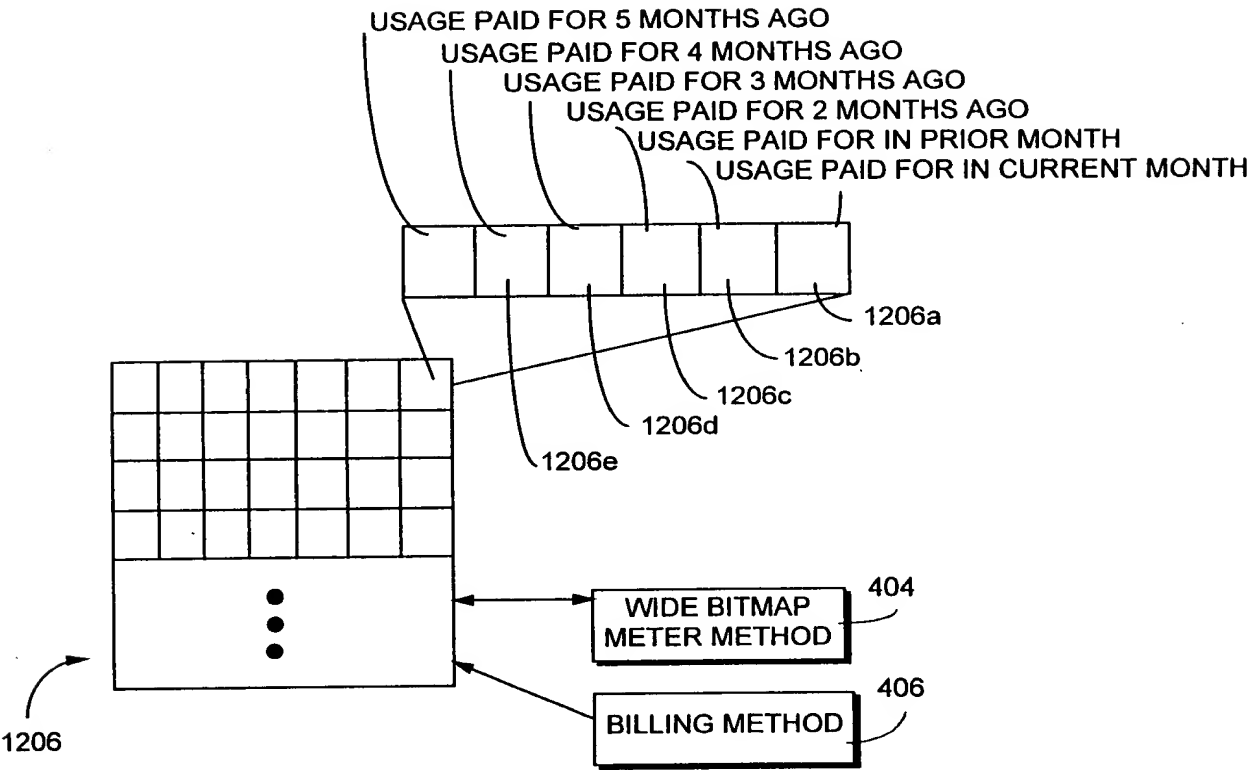


FIG. 26

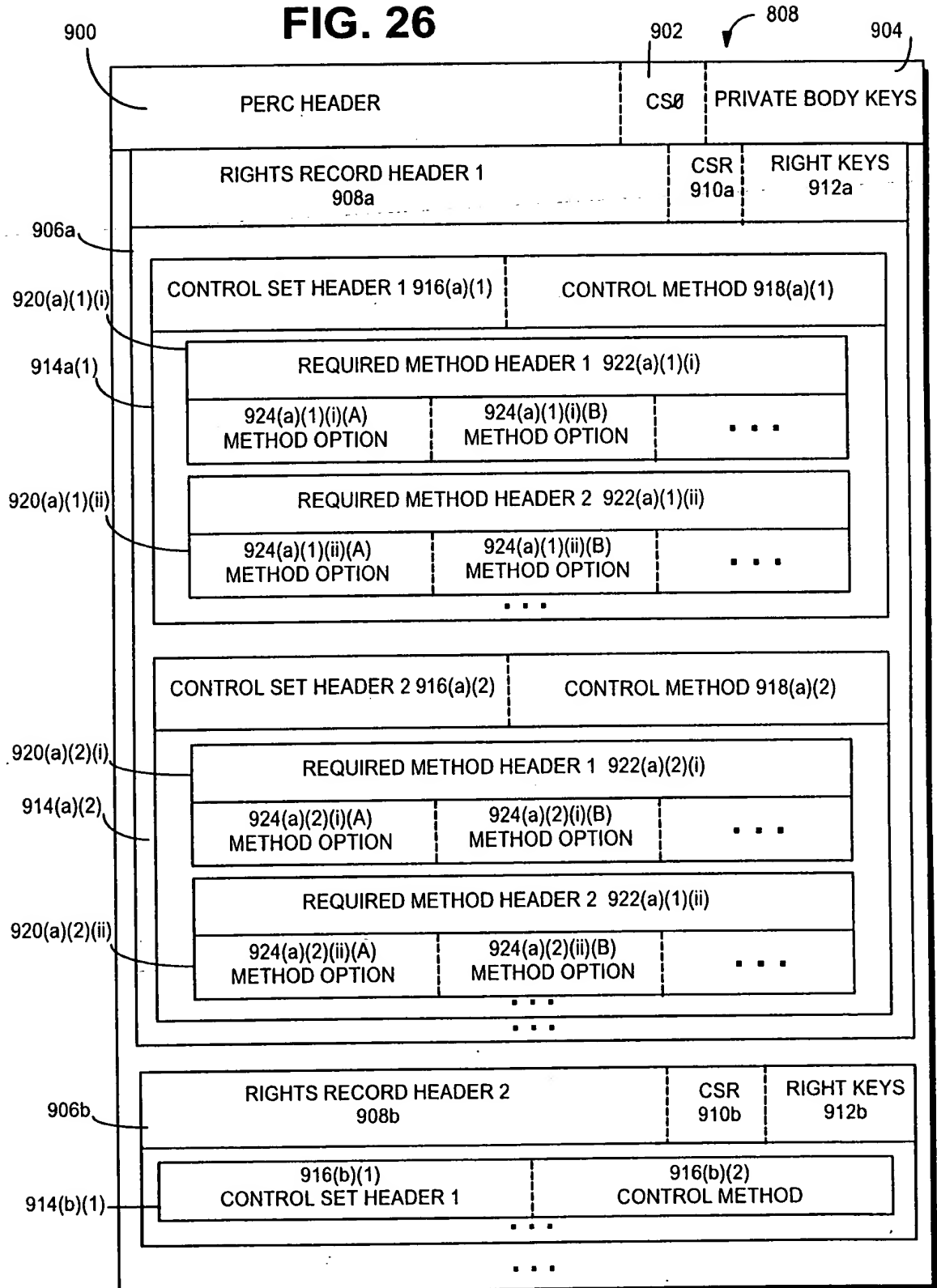


FIG. 26A

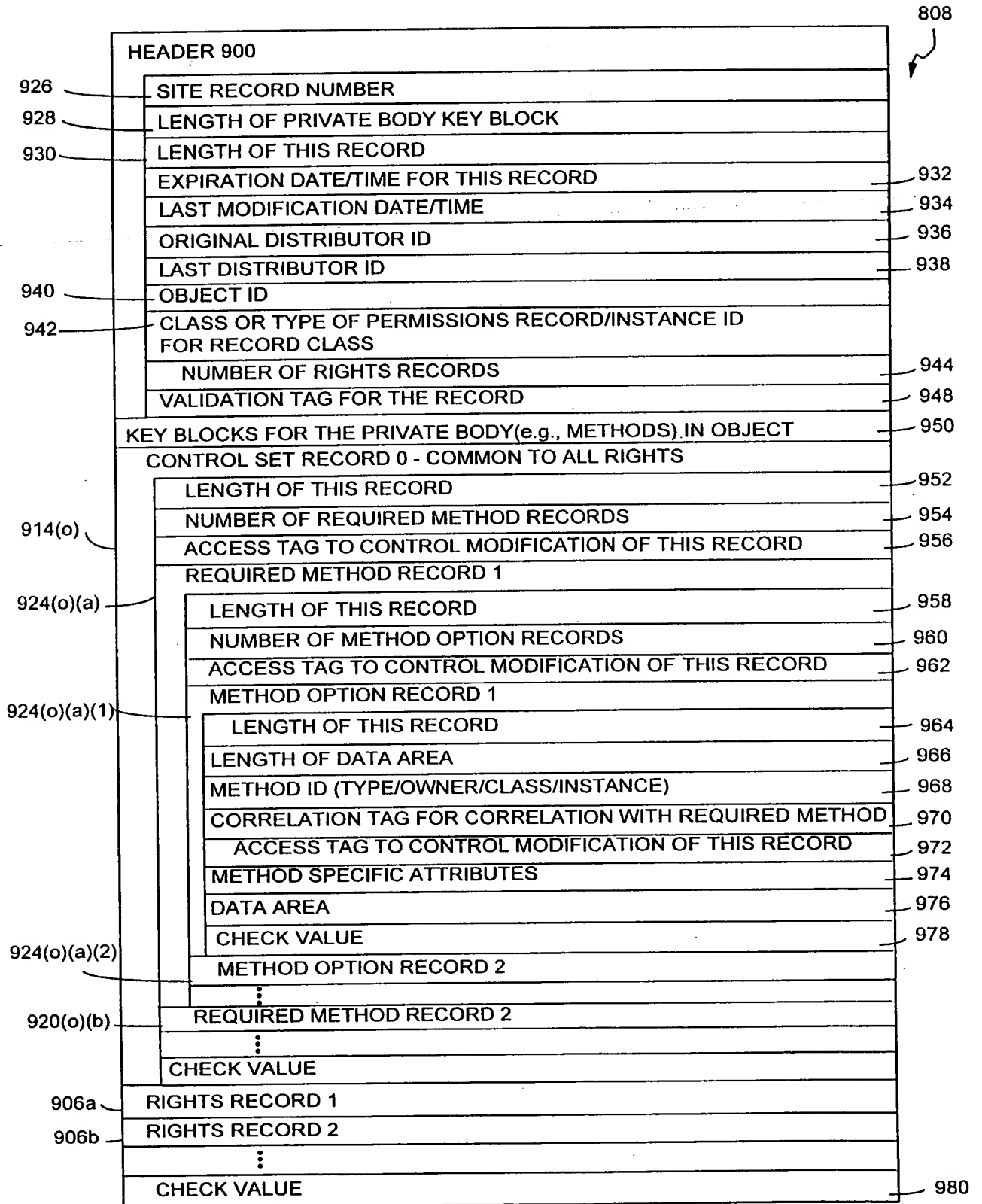


FIG. 26B

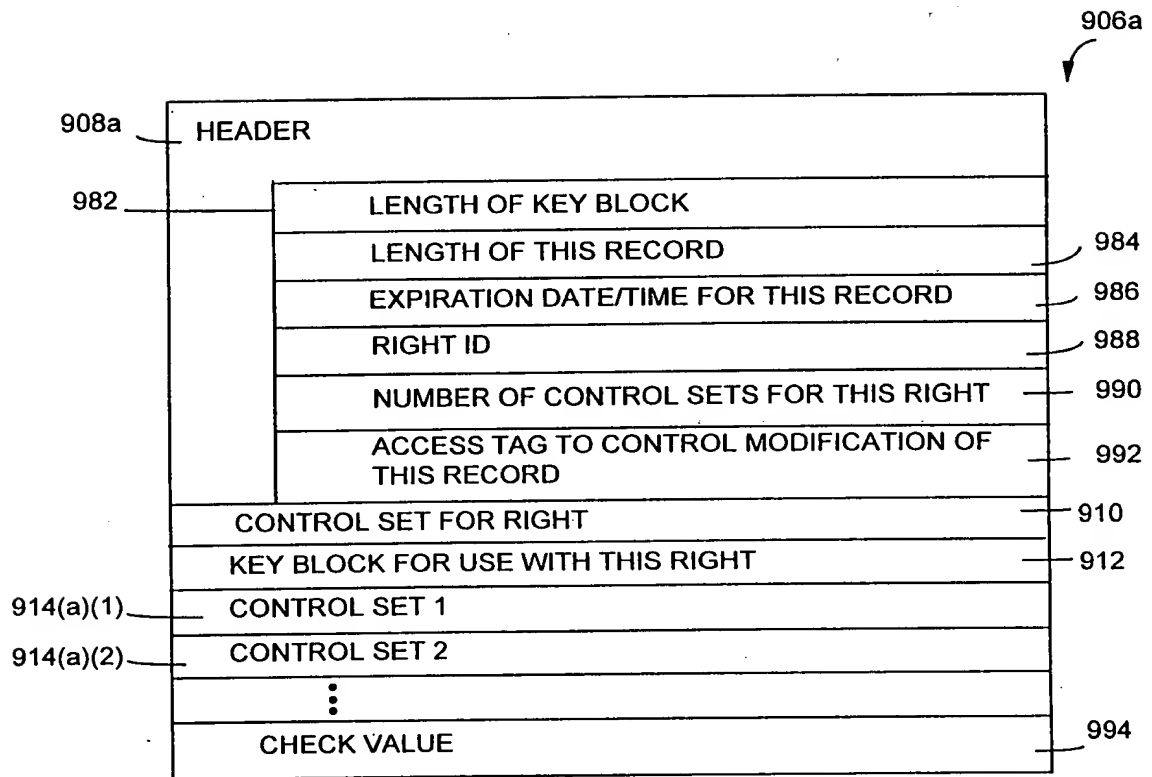


FIG. 27

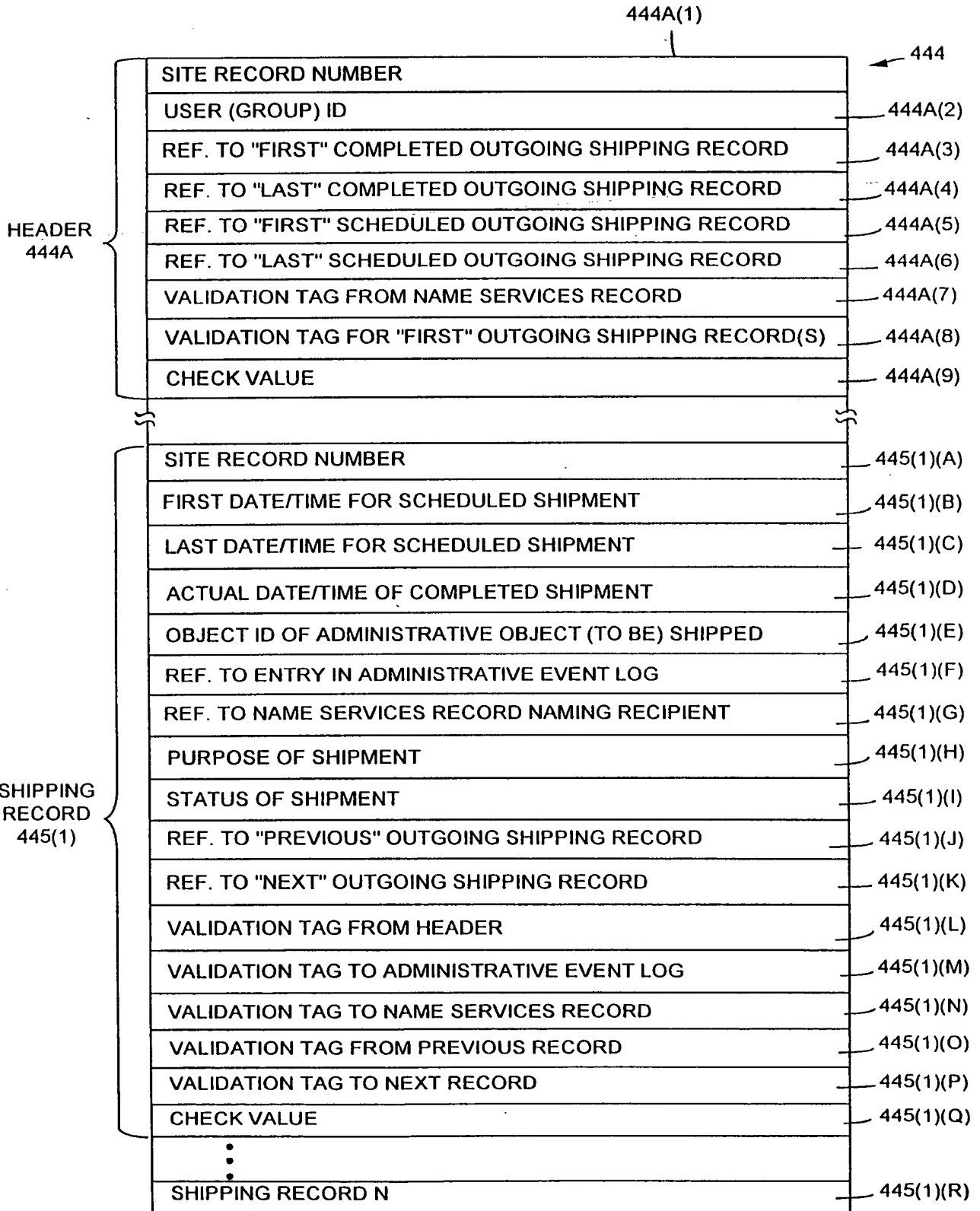


FIG. 28

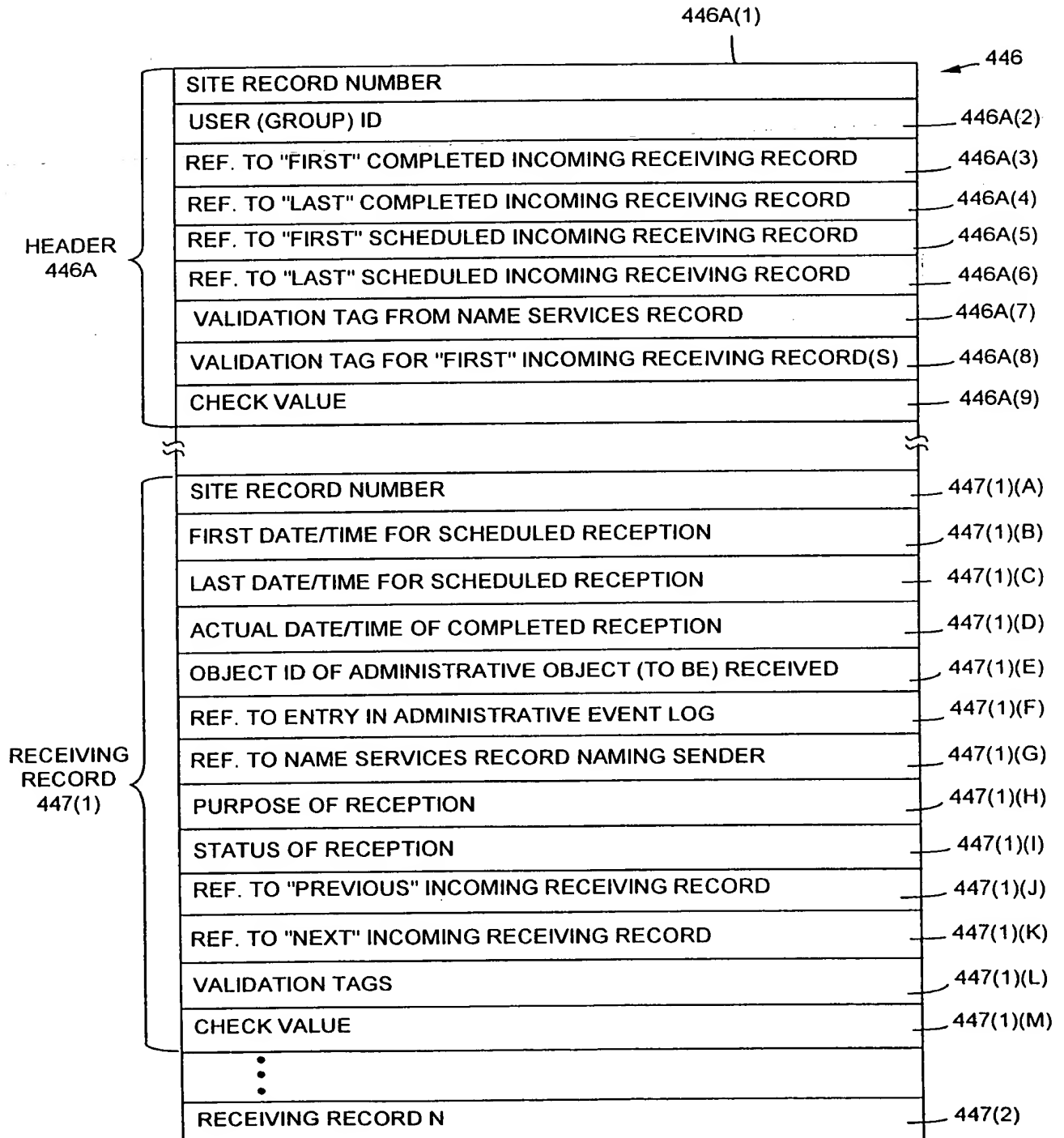


FIG. 29

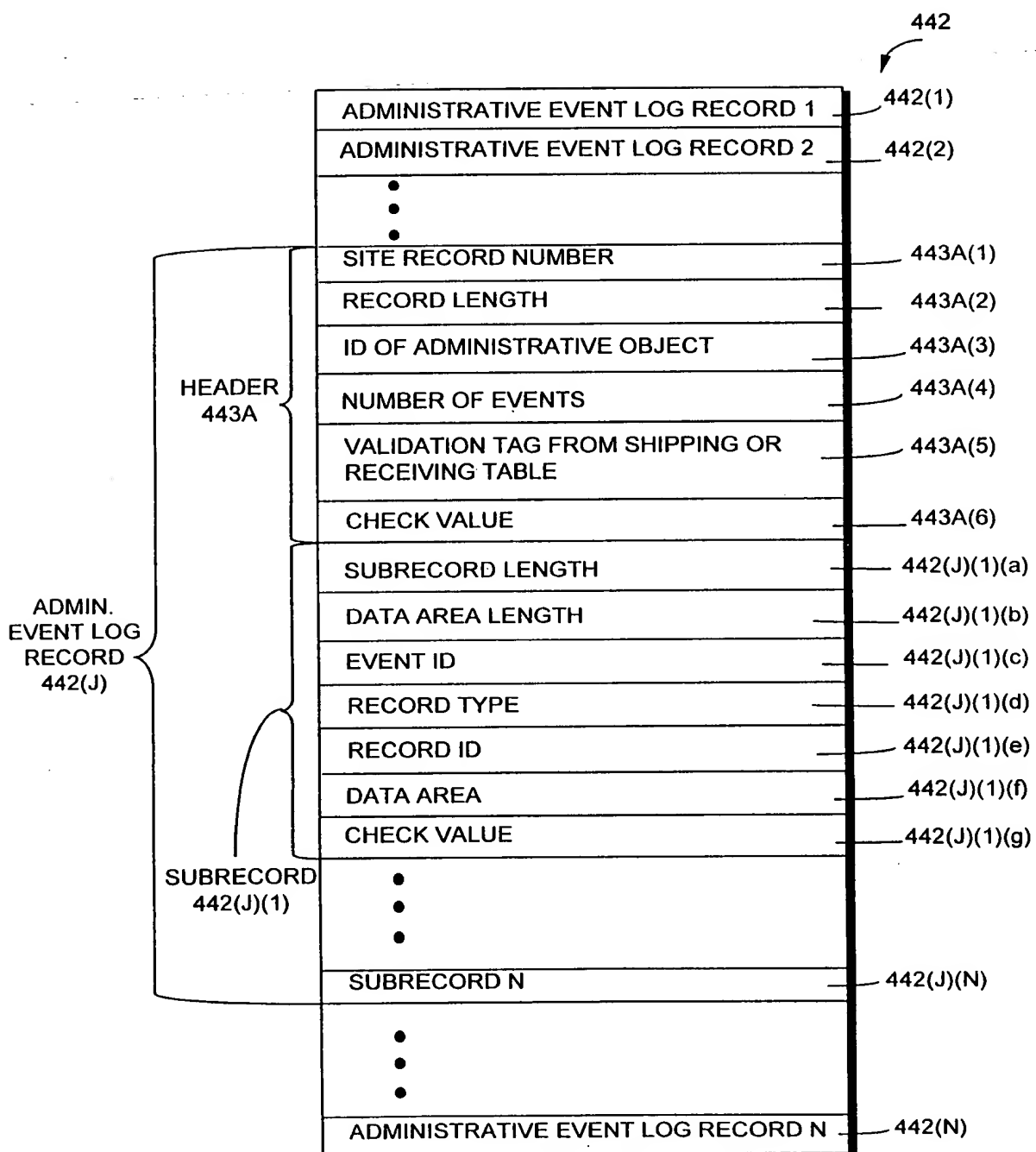
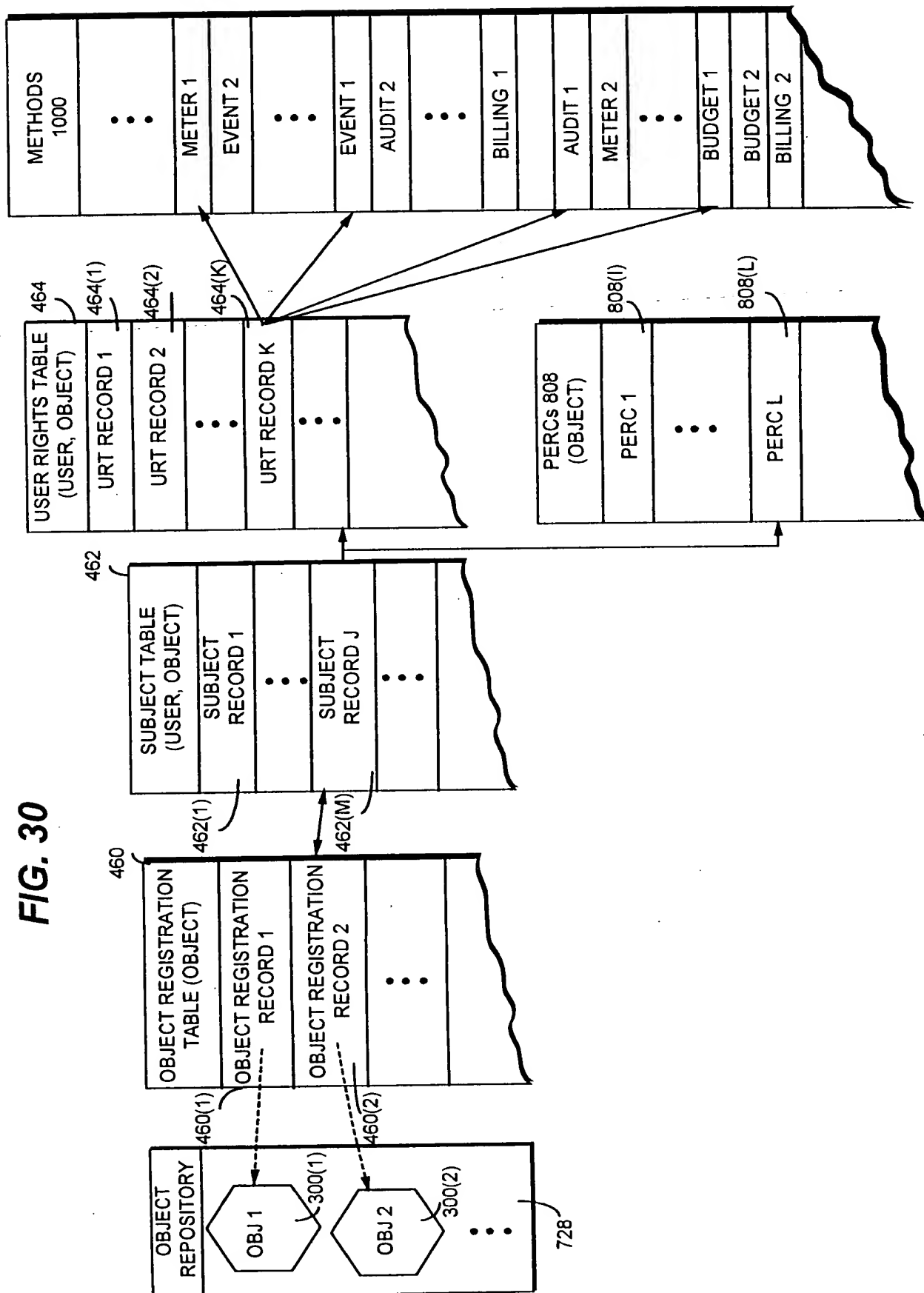


FIG. 30



09/20/2004 09:43:00

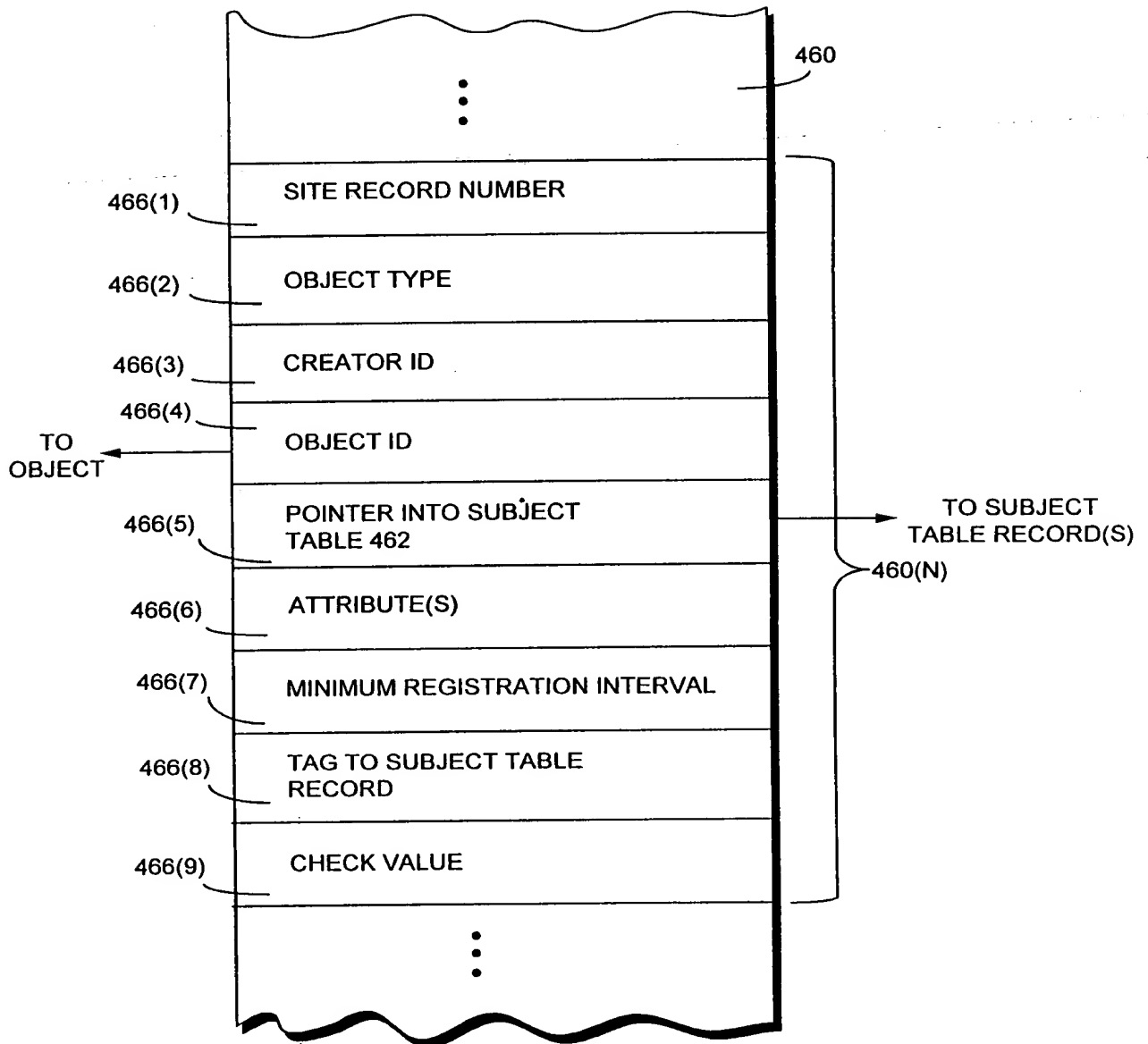
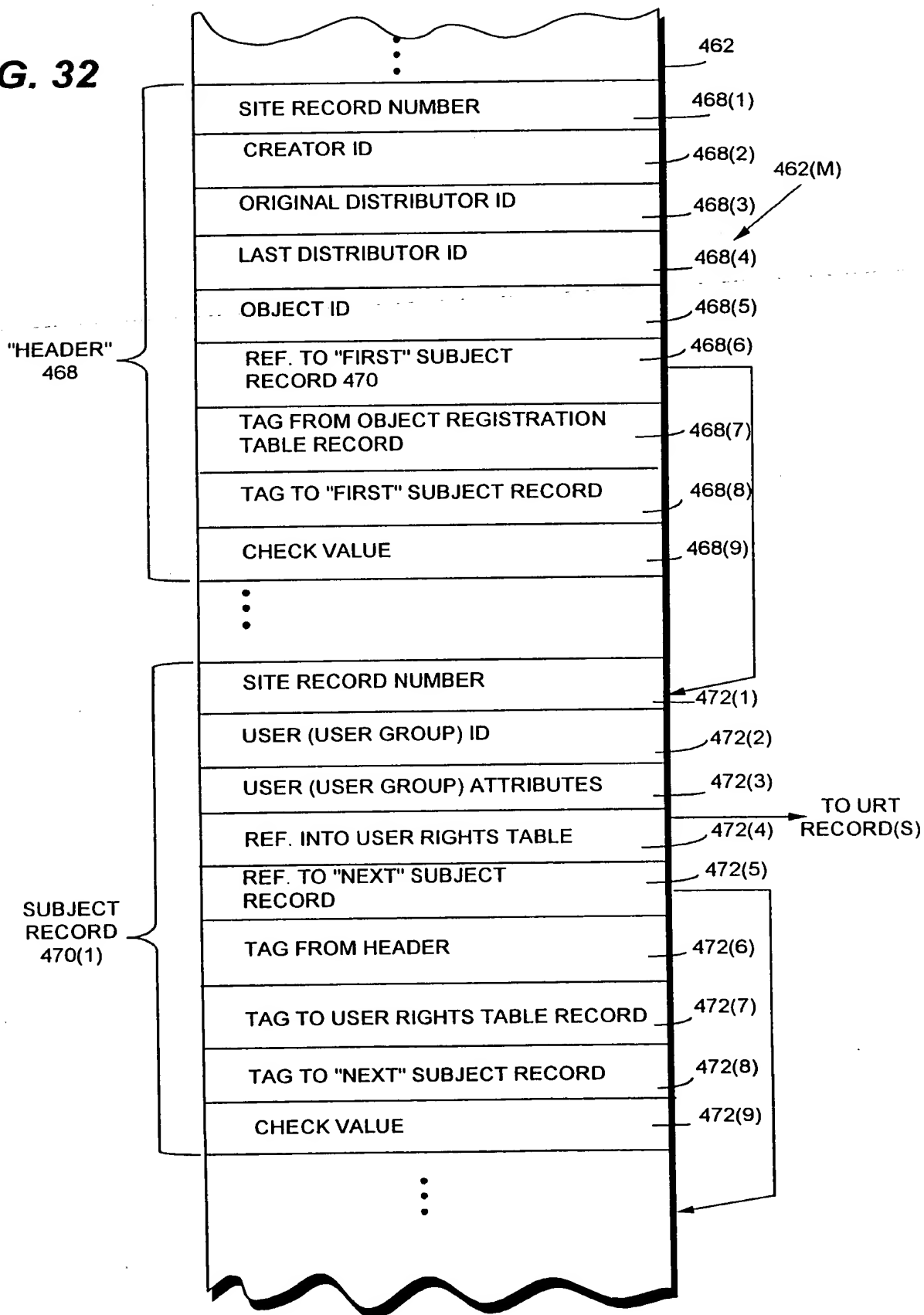


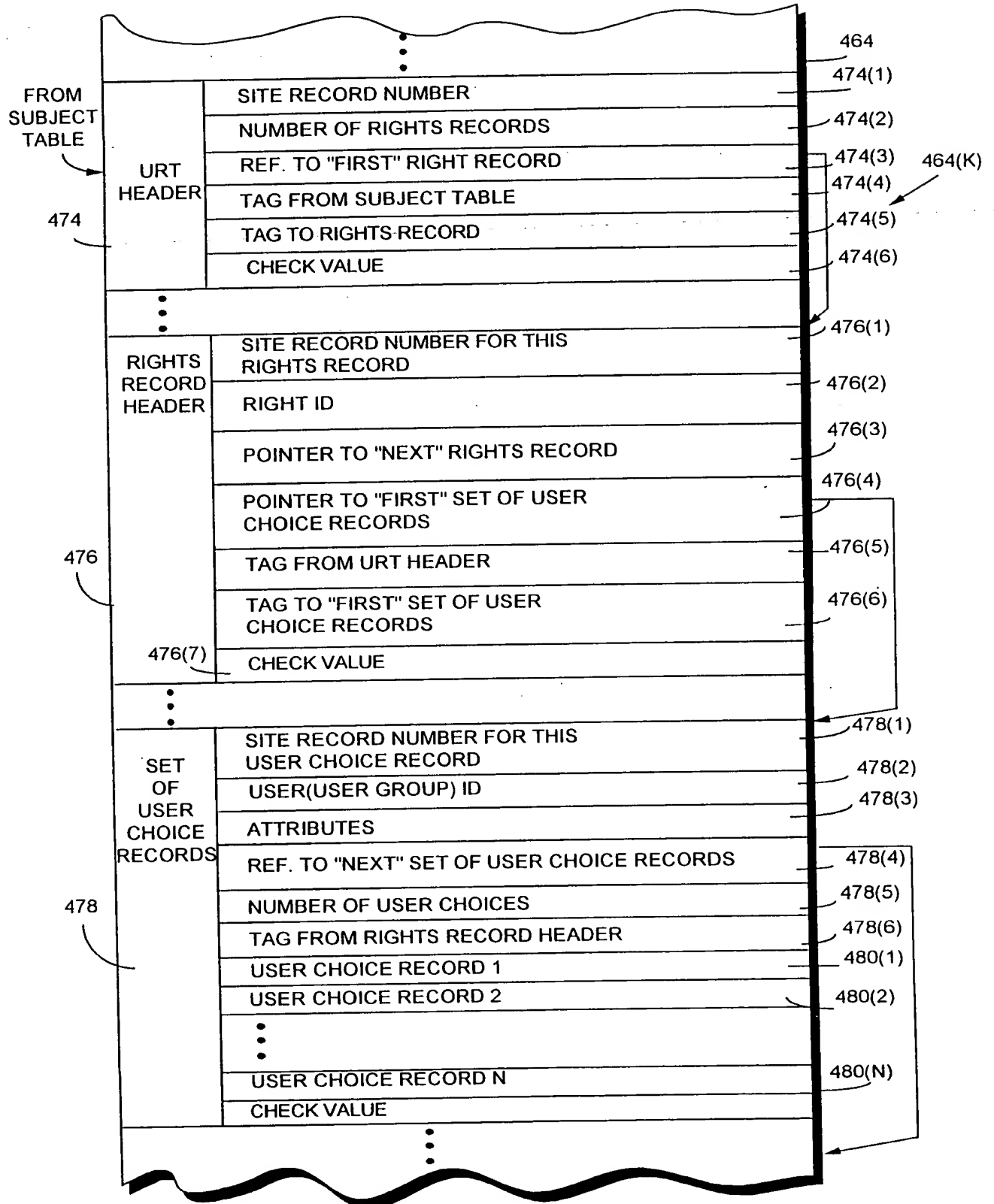
FIG. 31

FIG. 32



09764970-0222

FIG. 33



TOP SECRET

FIG. 34

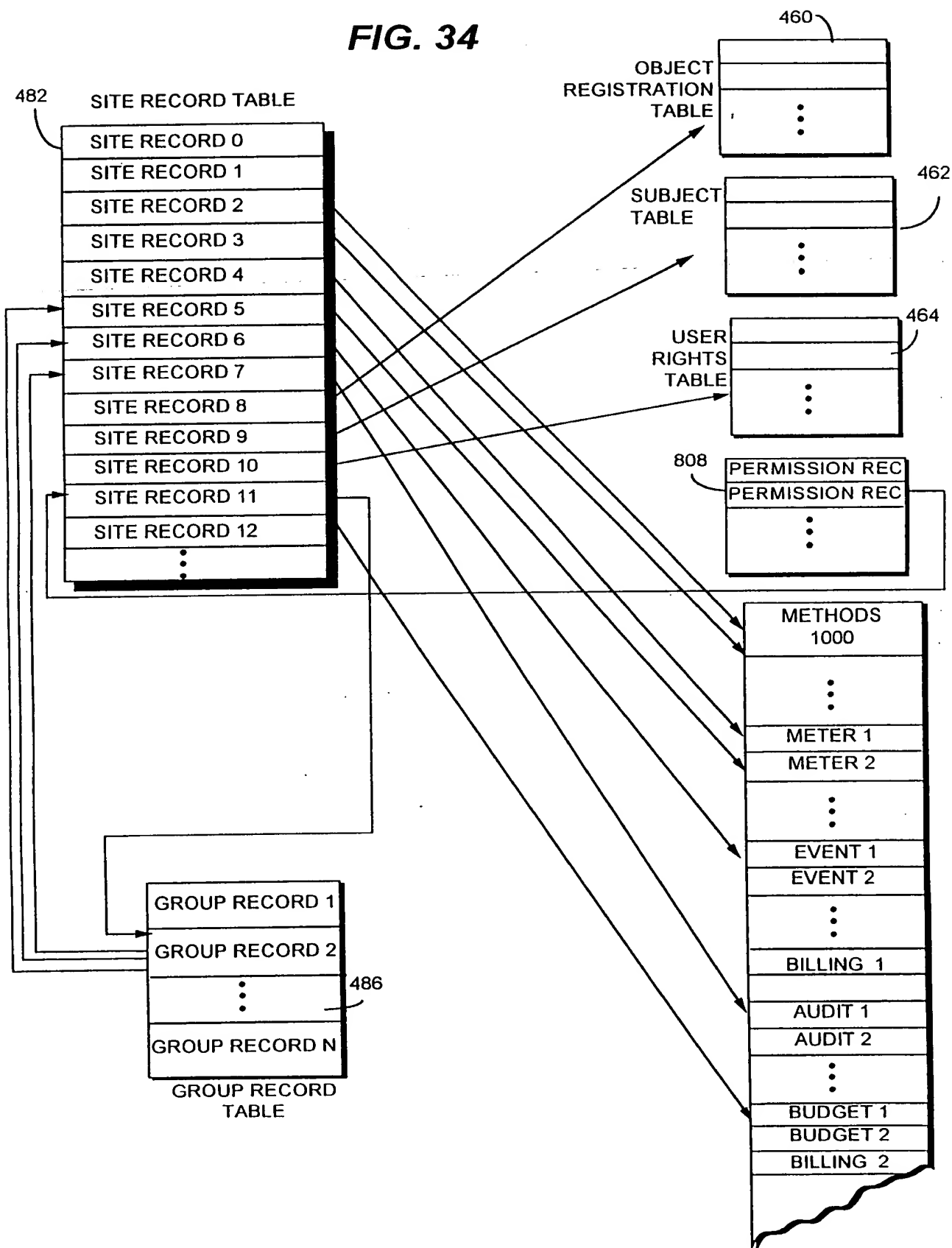


FIG. 34B

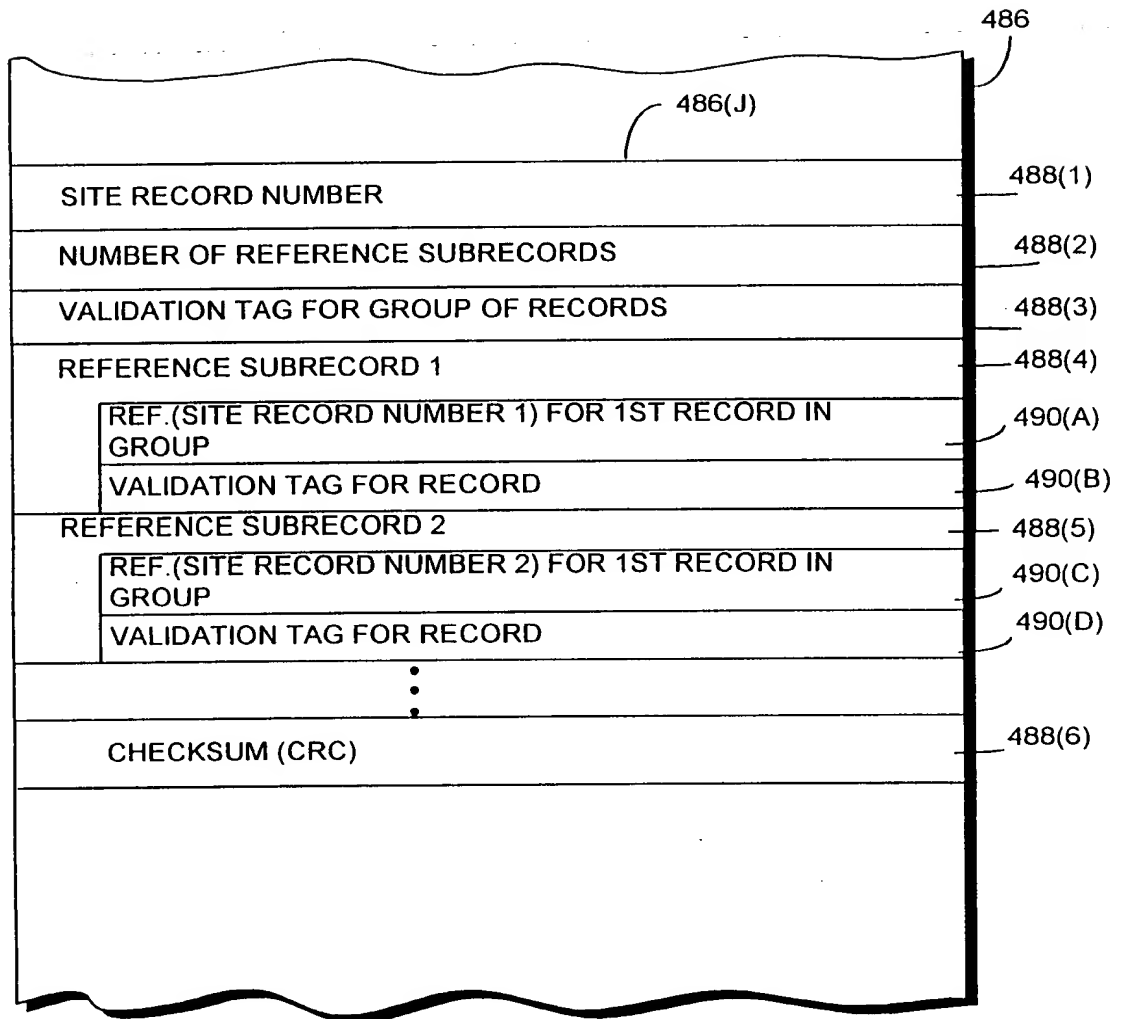
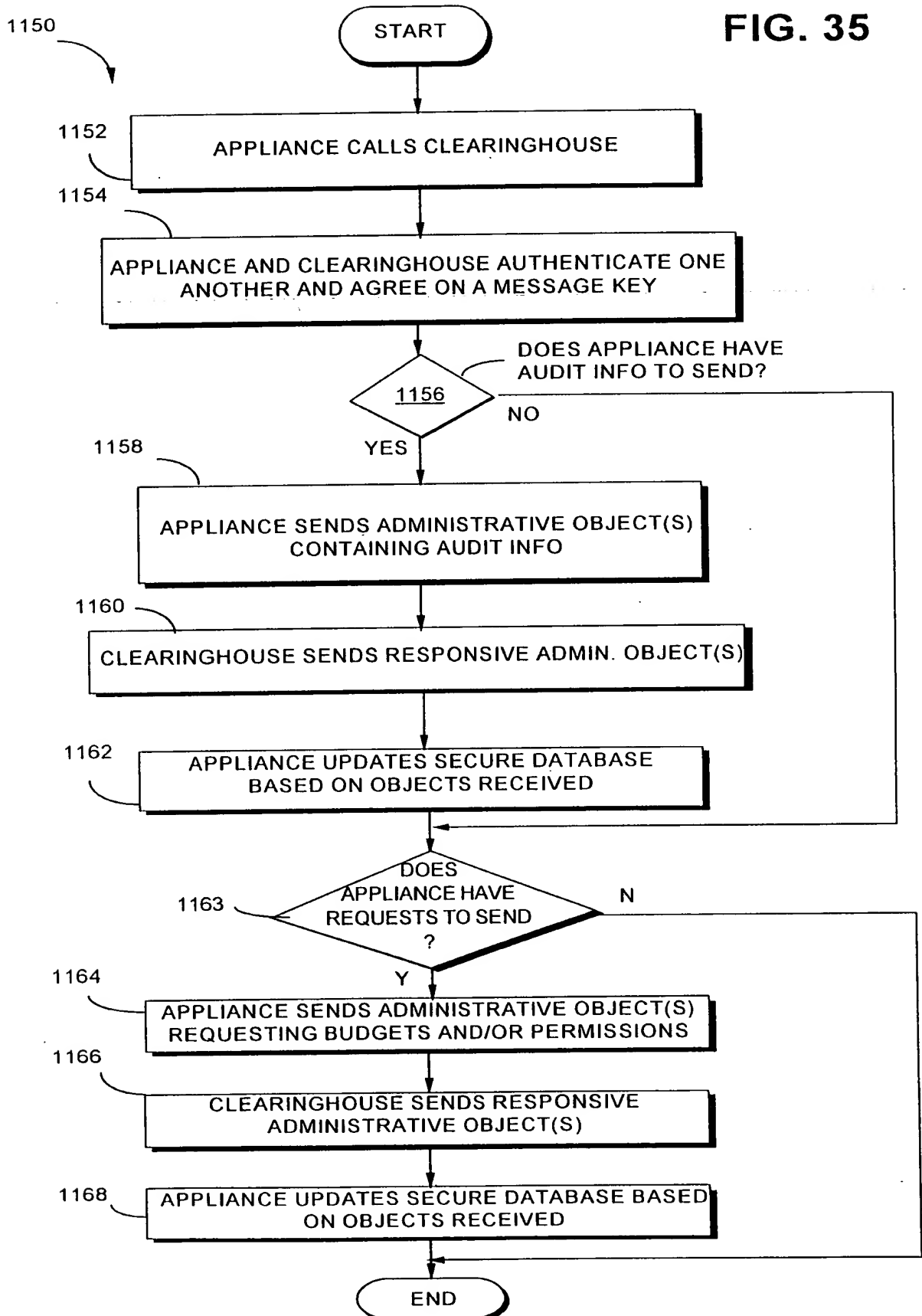


FIG. 34B

FIG. 35



09/20/2006

FIG. 36

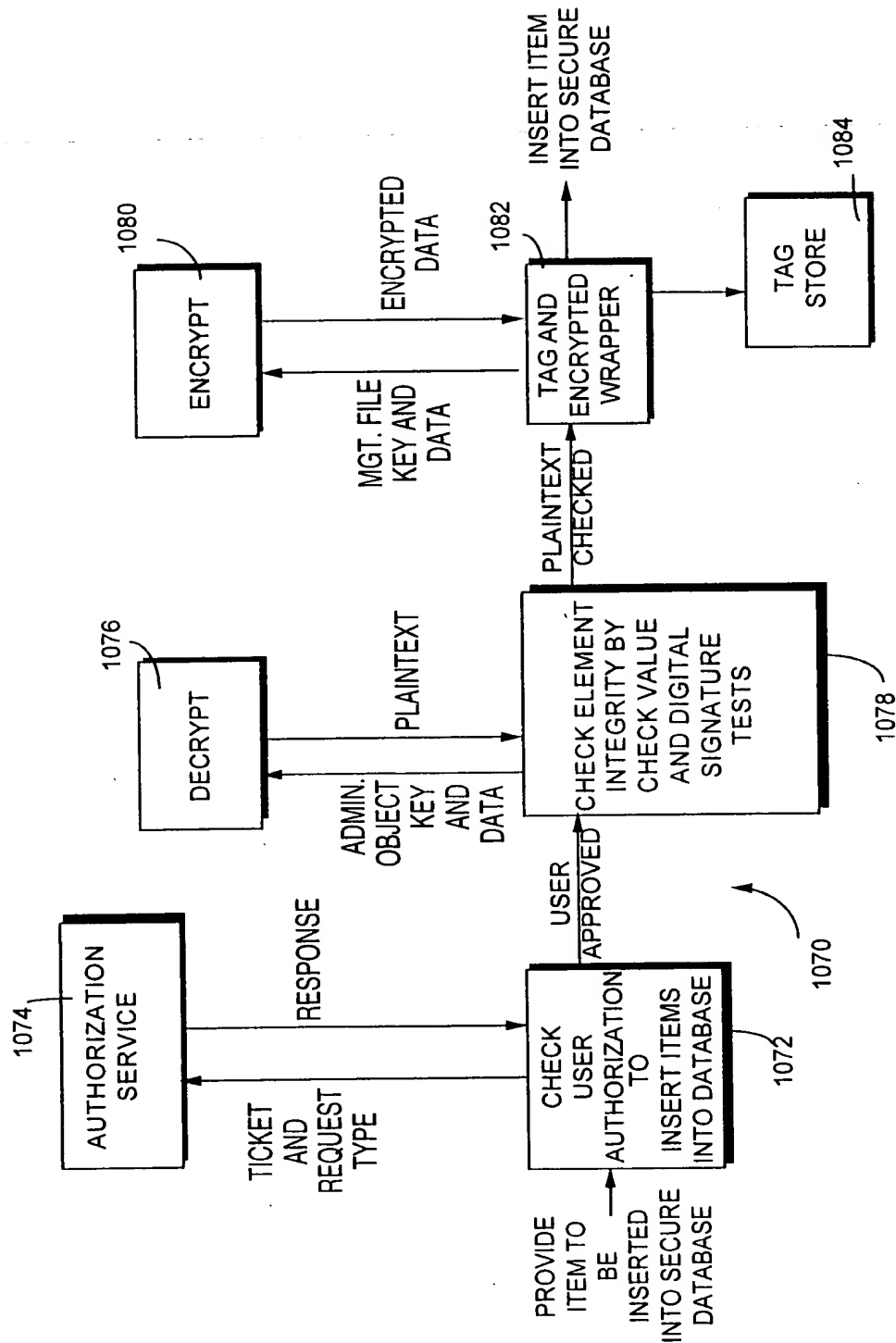


FIG. 37

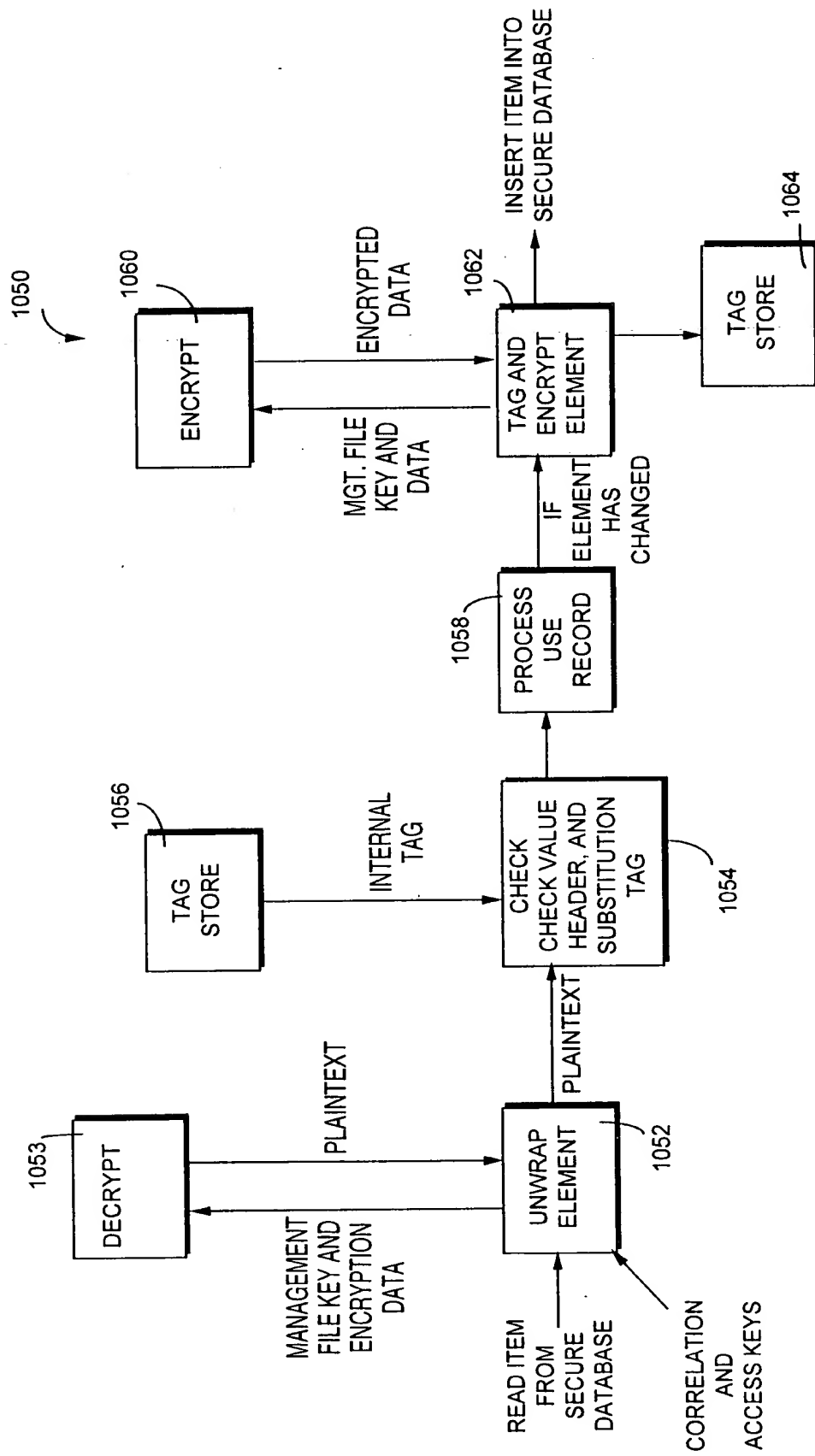


FIG. 38

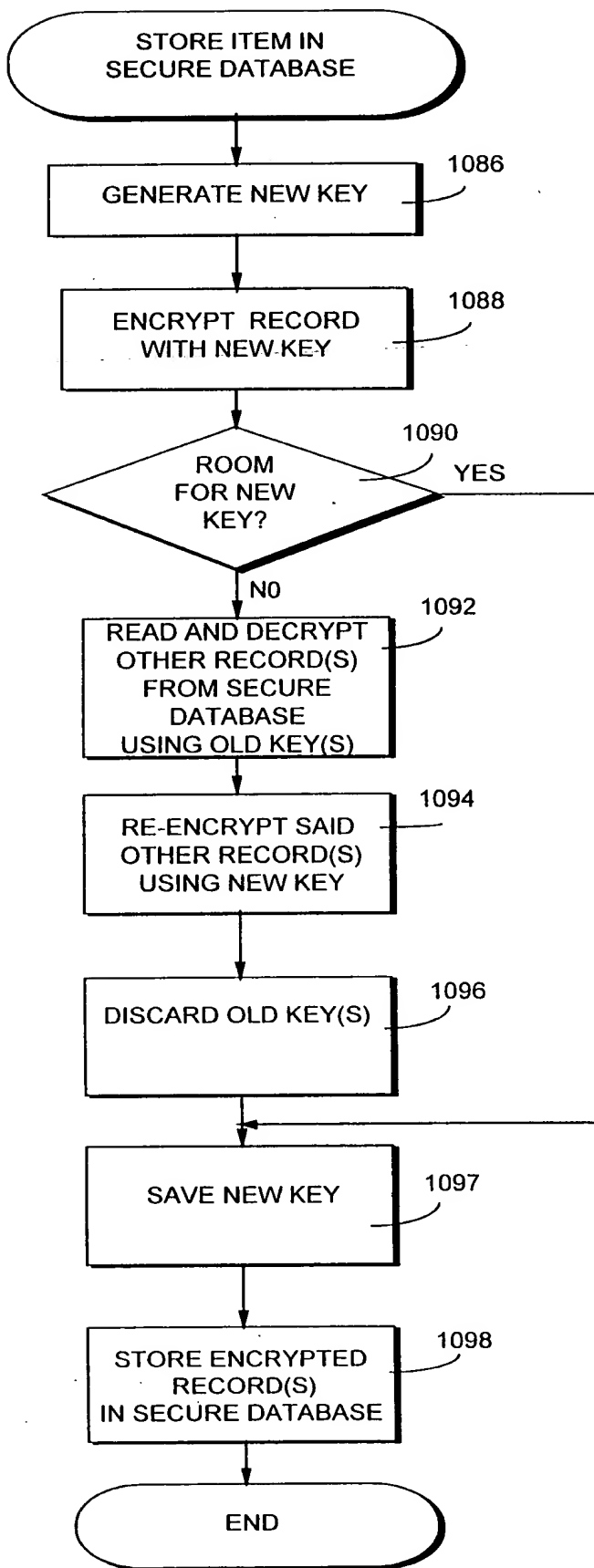


FIG. 39

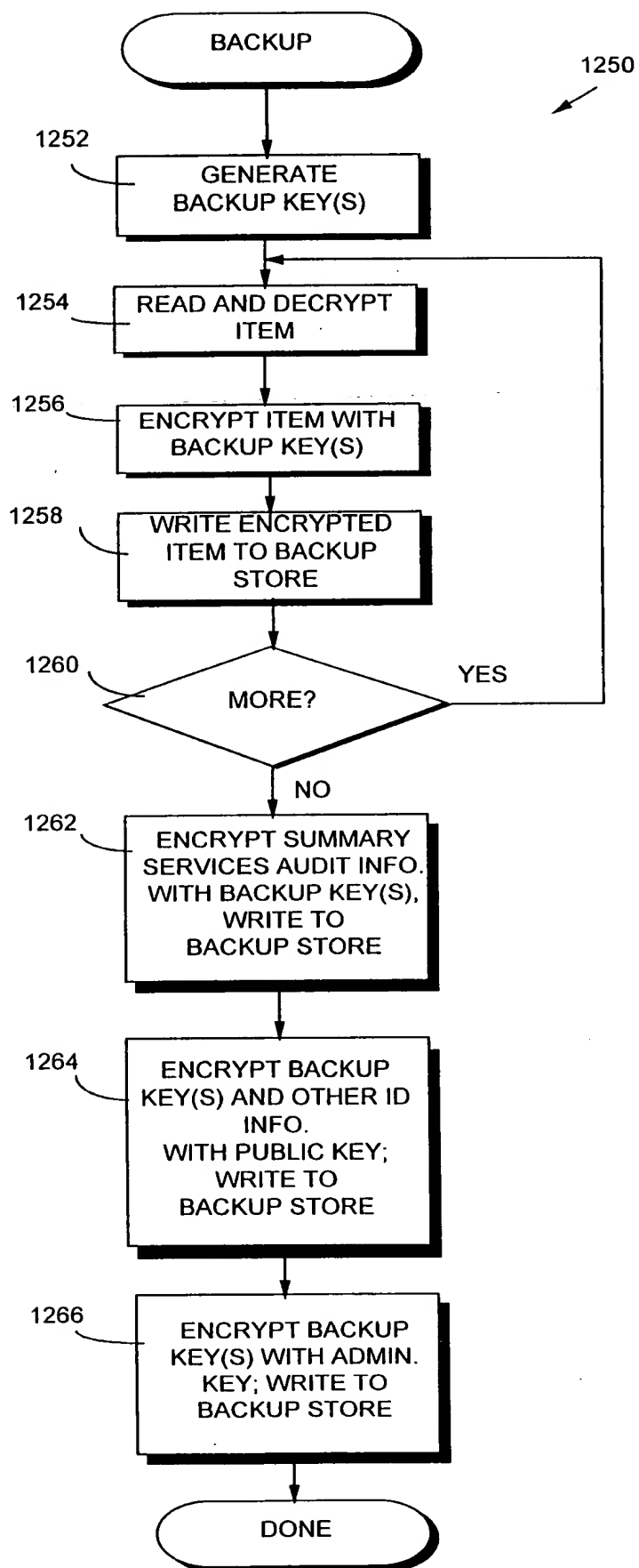
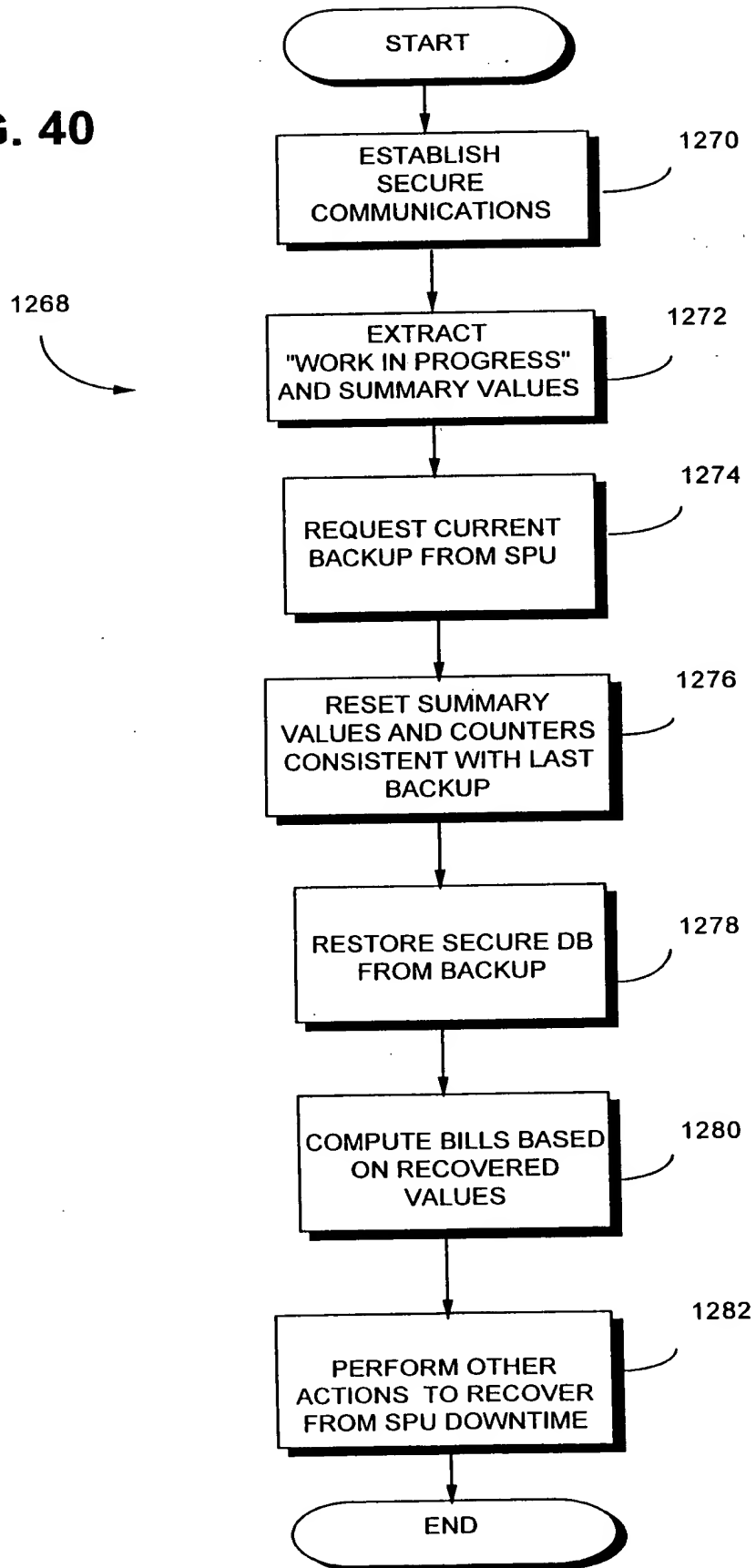


FIG. 40



1002/00/049/60

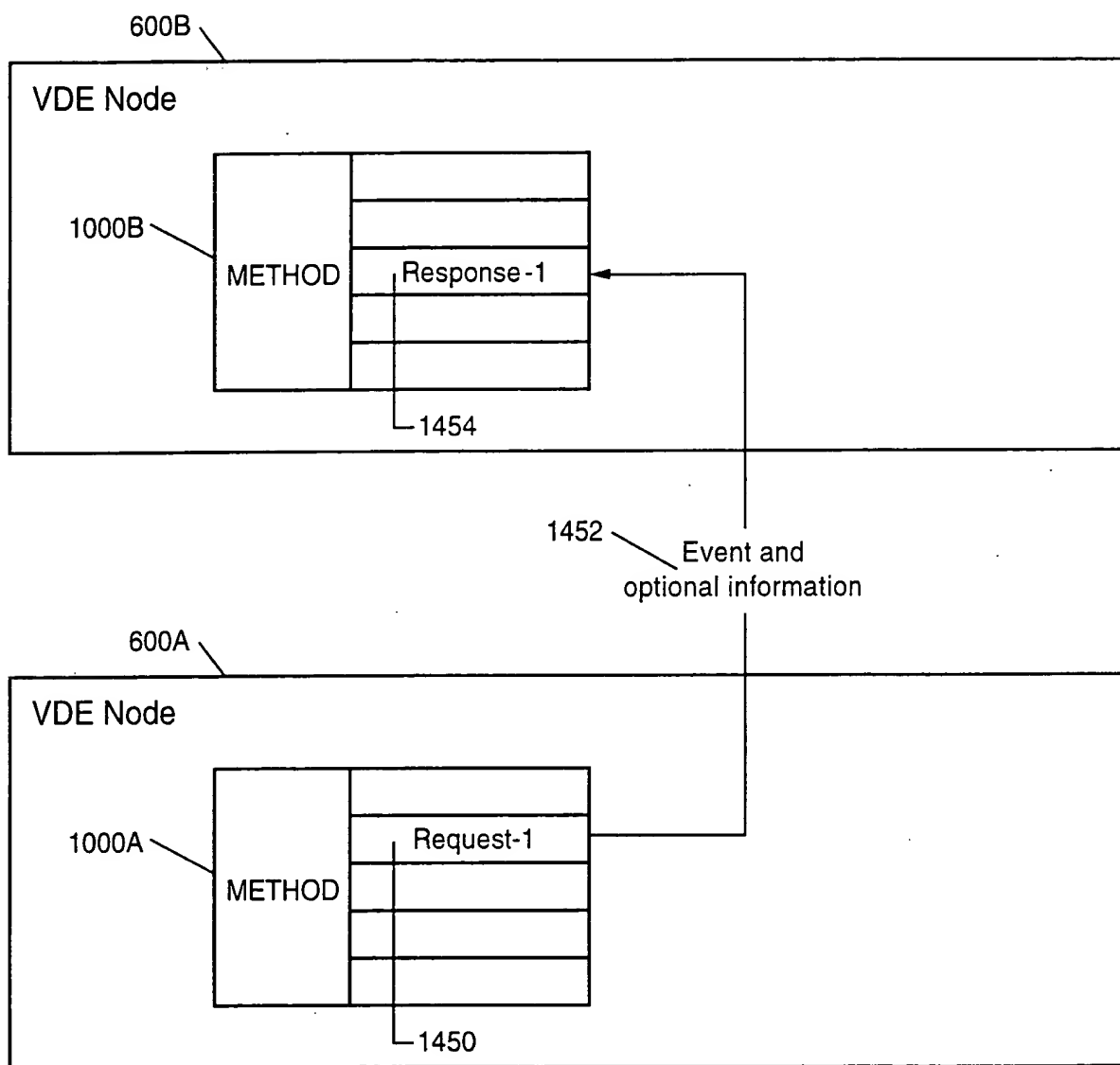


FIG. 41a

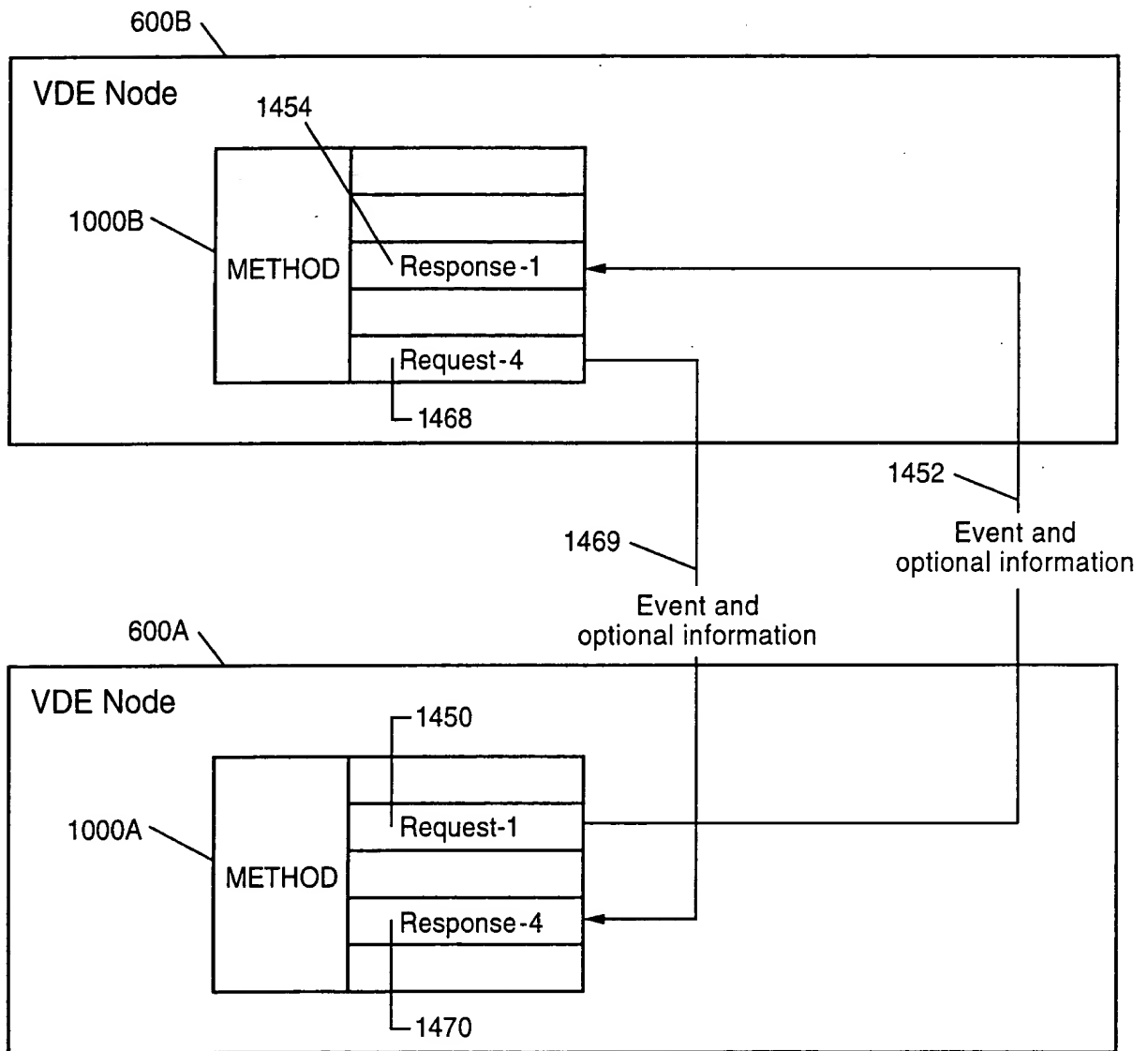


FIG. 41b

FIG. 41c

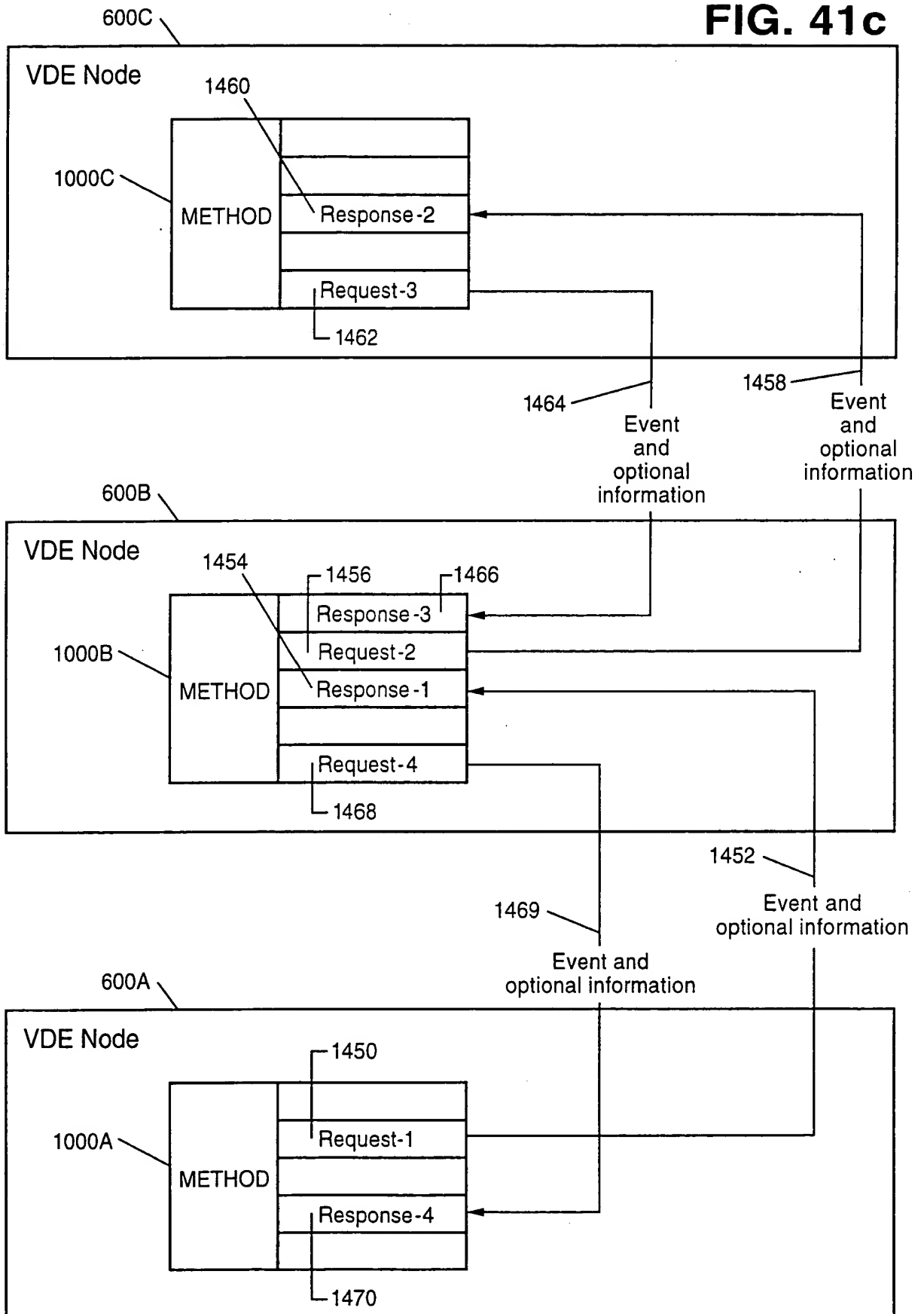
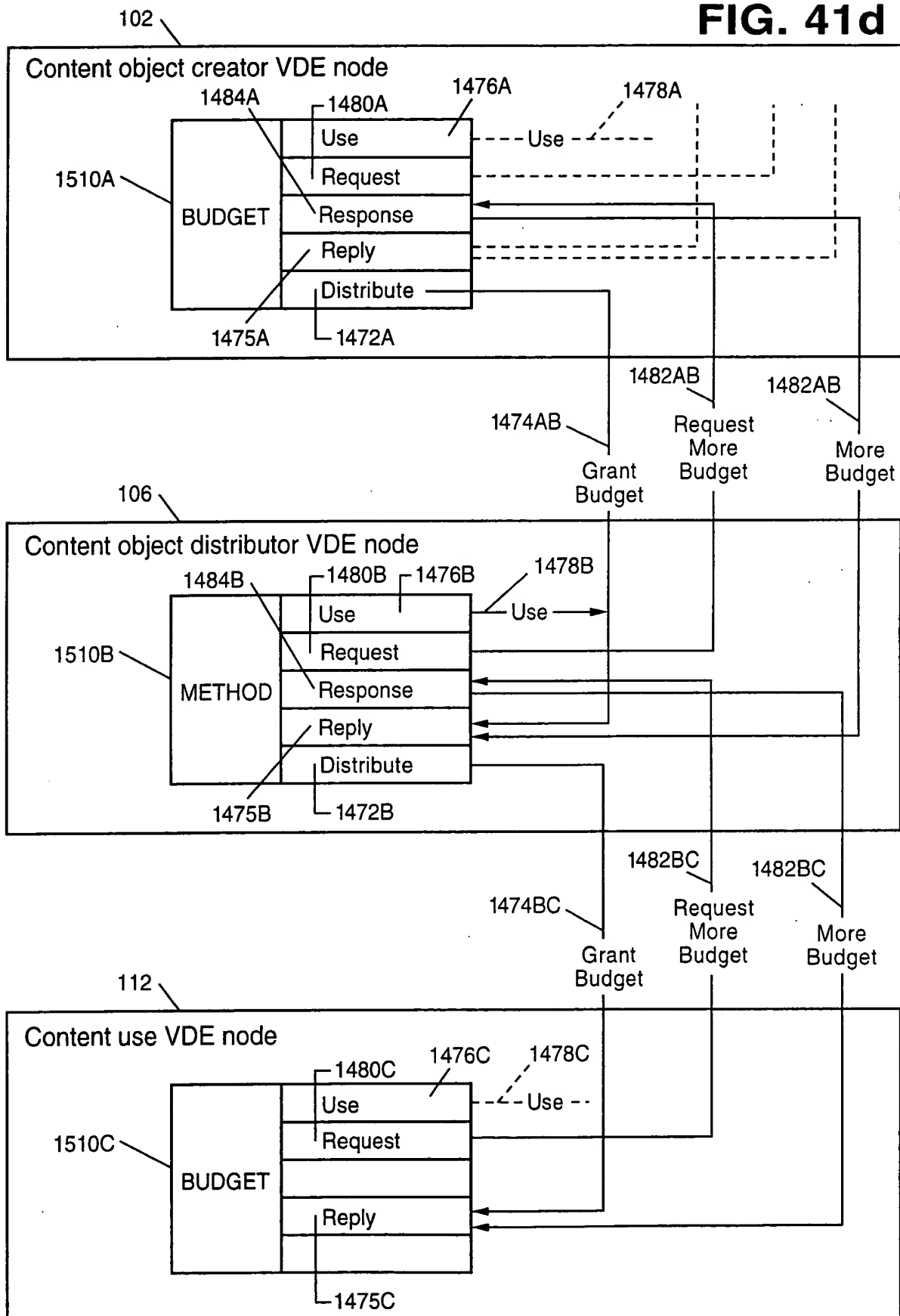


FIG. 41d



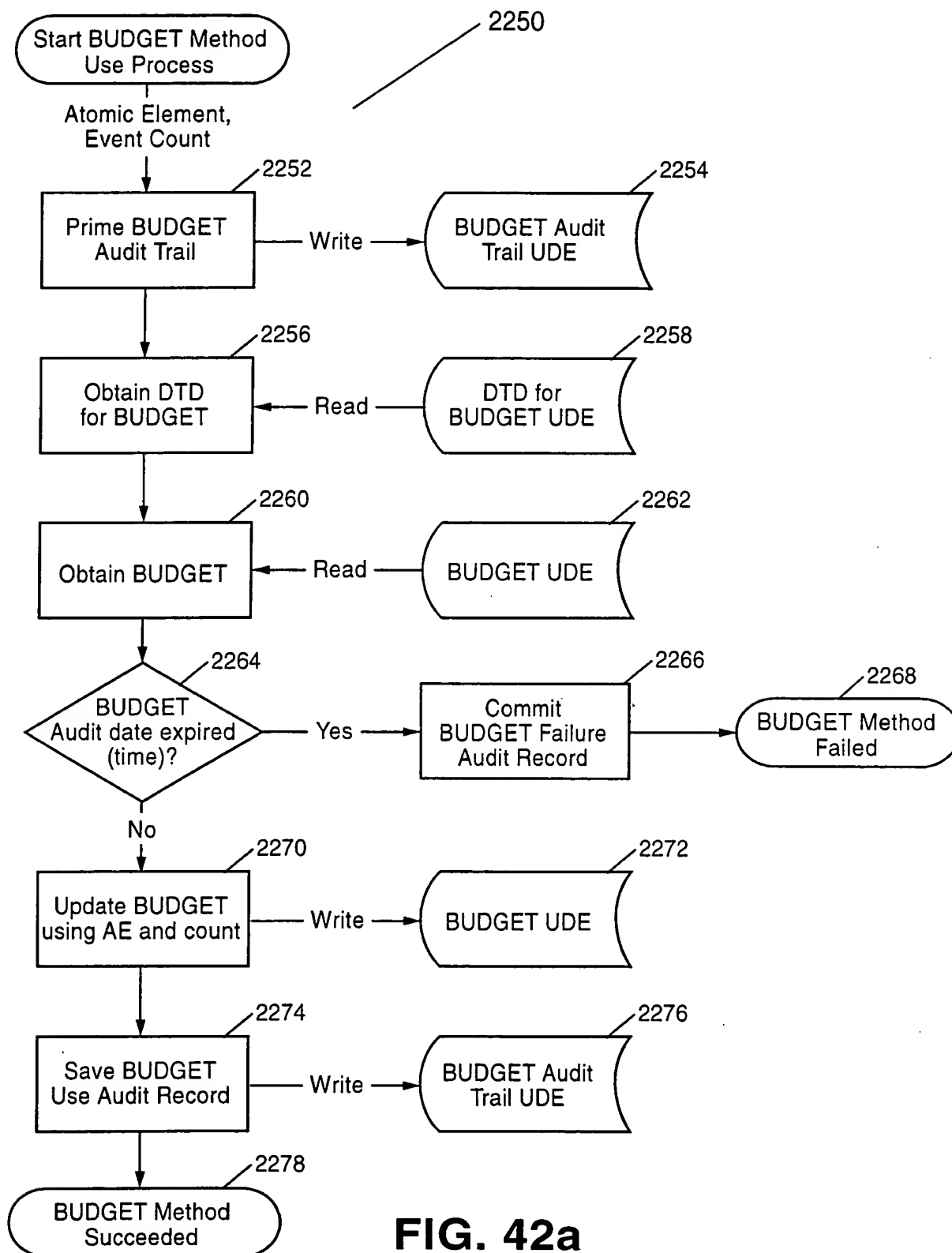
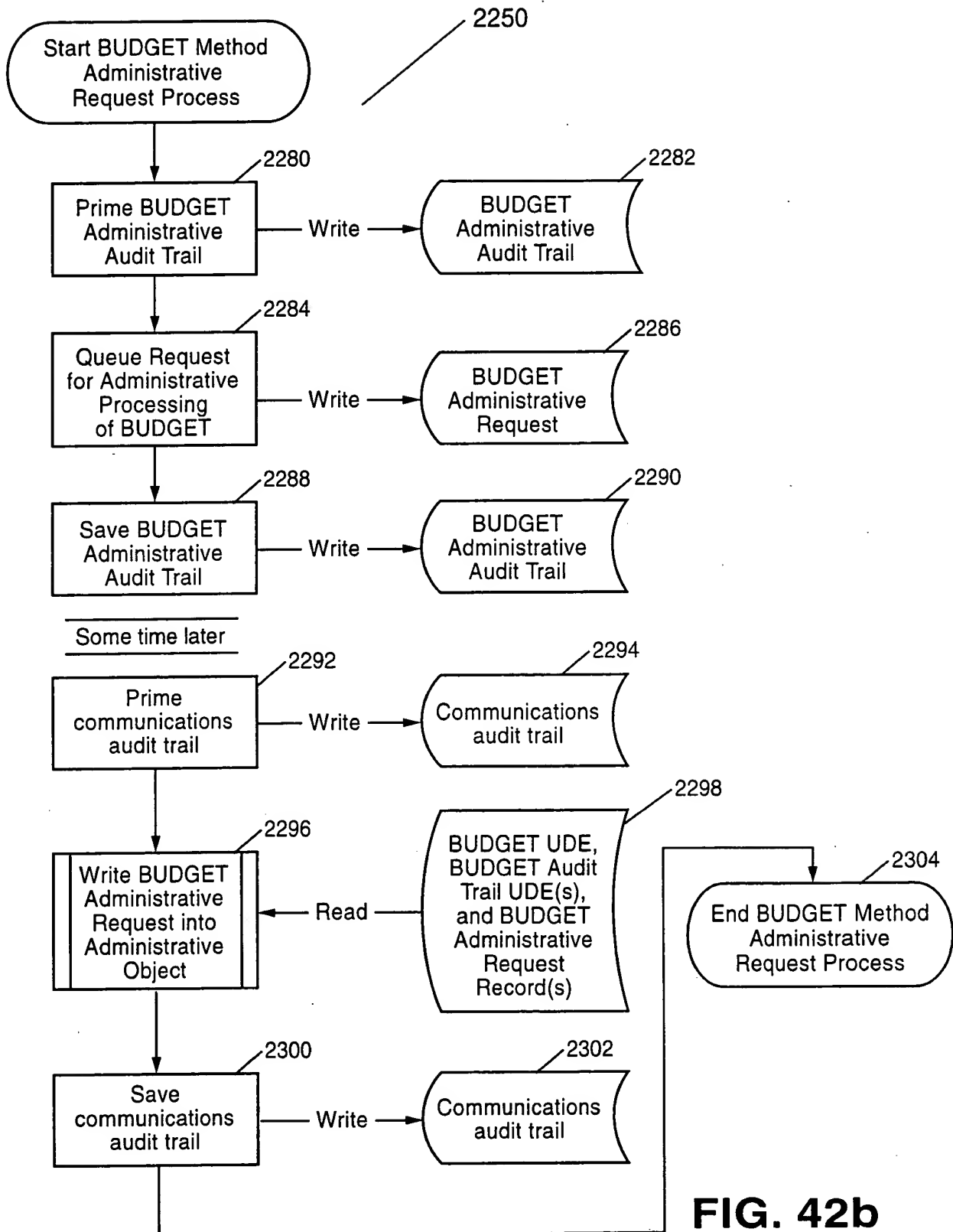


FIG. 42a



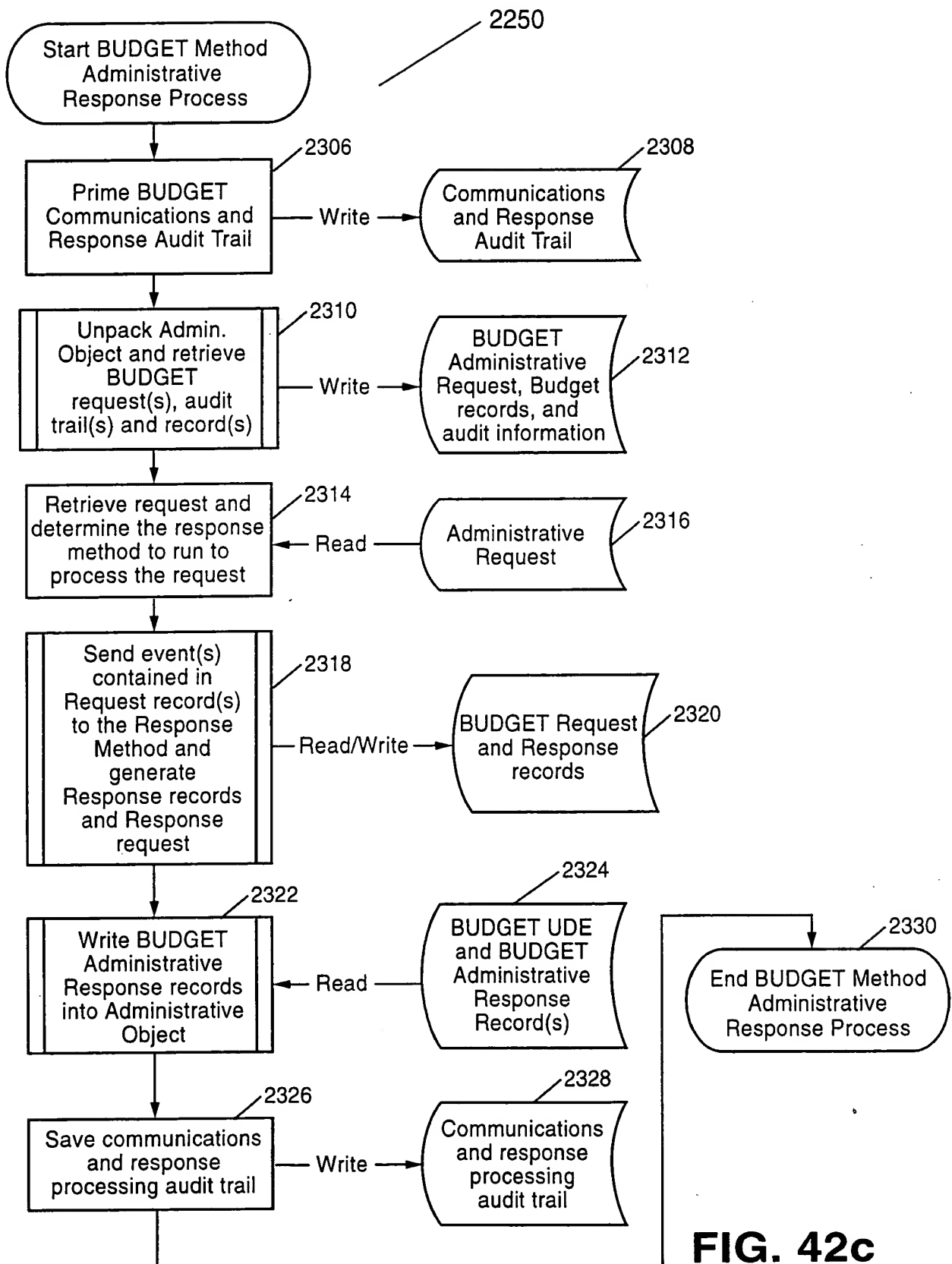


FIG. 42c

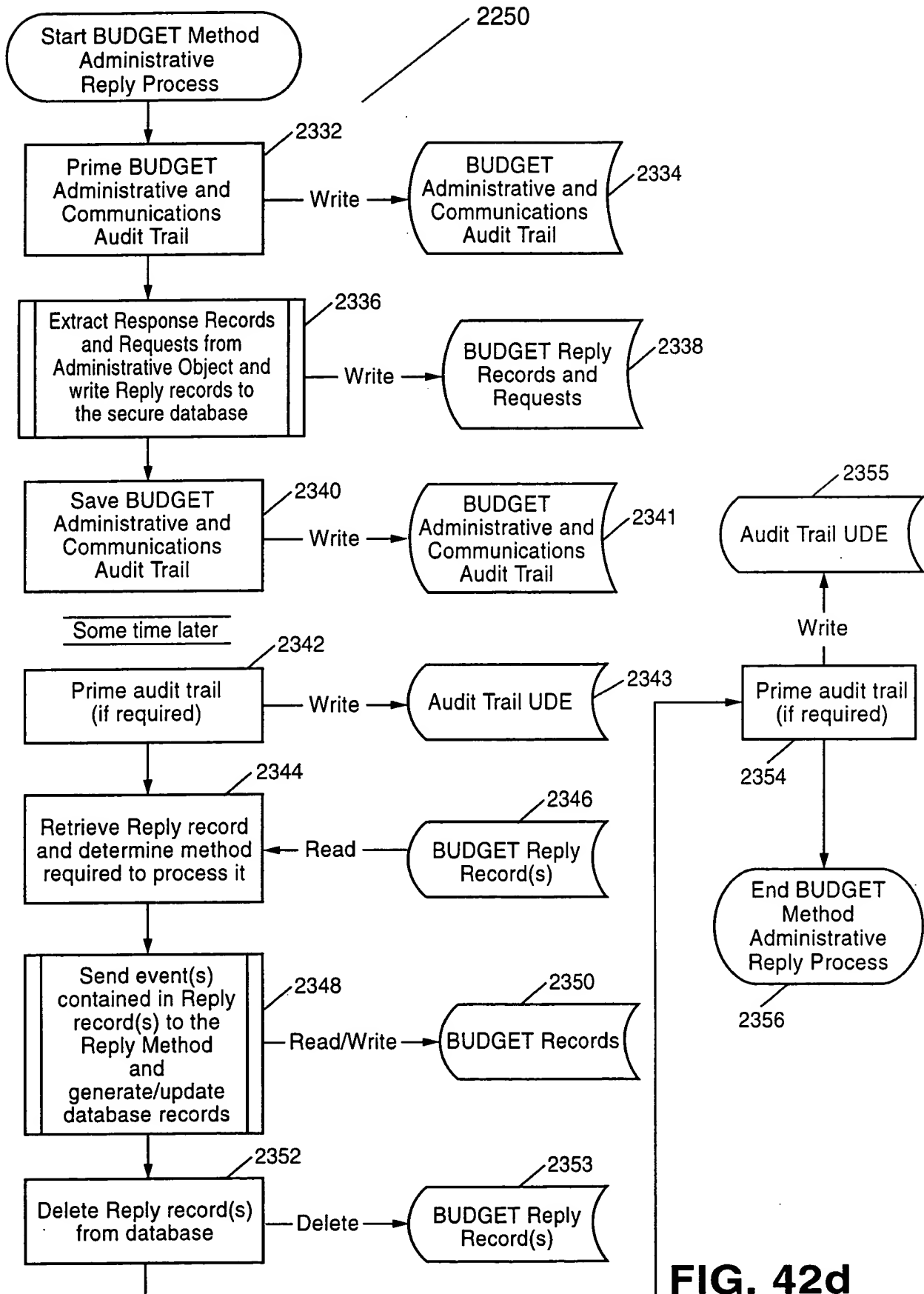


FIG. 42d

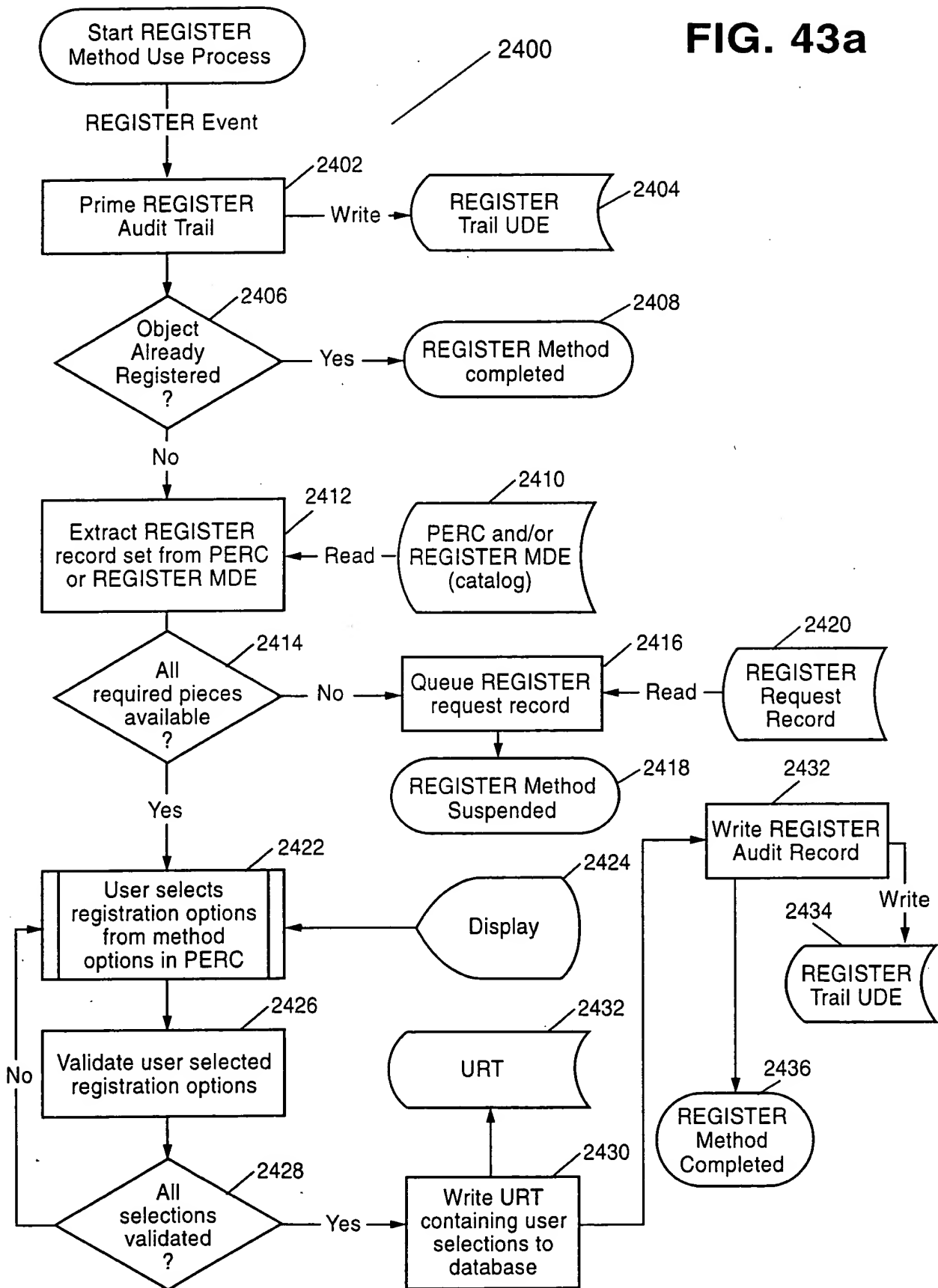
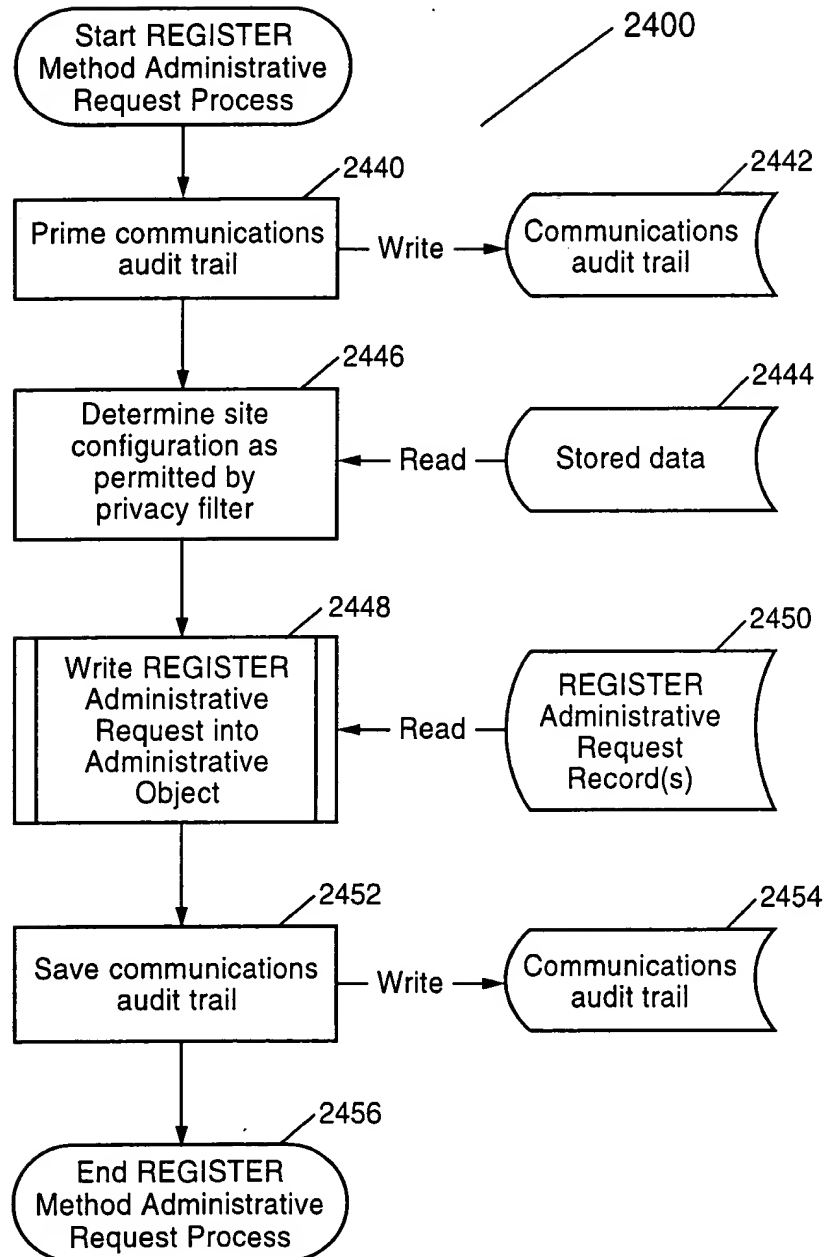


FIG. 43b



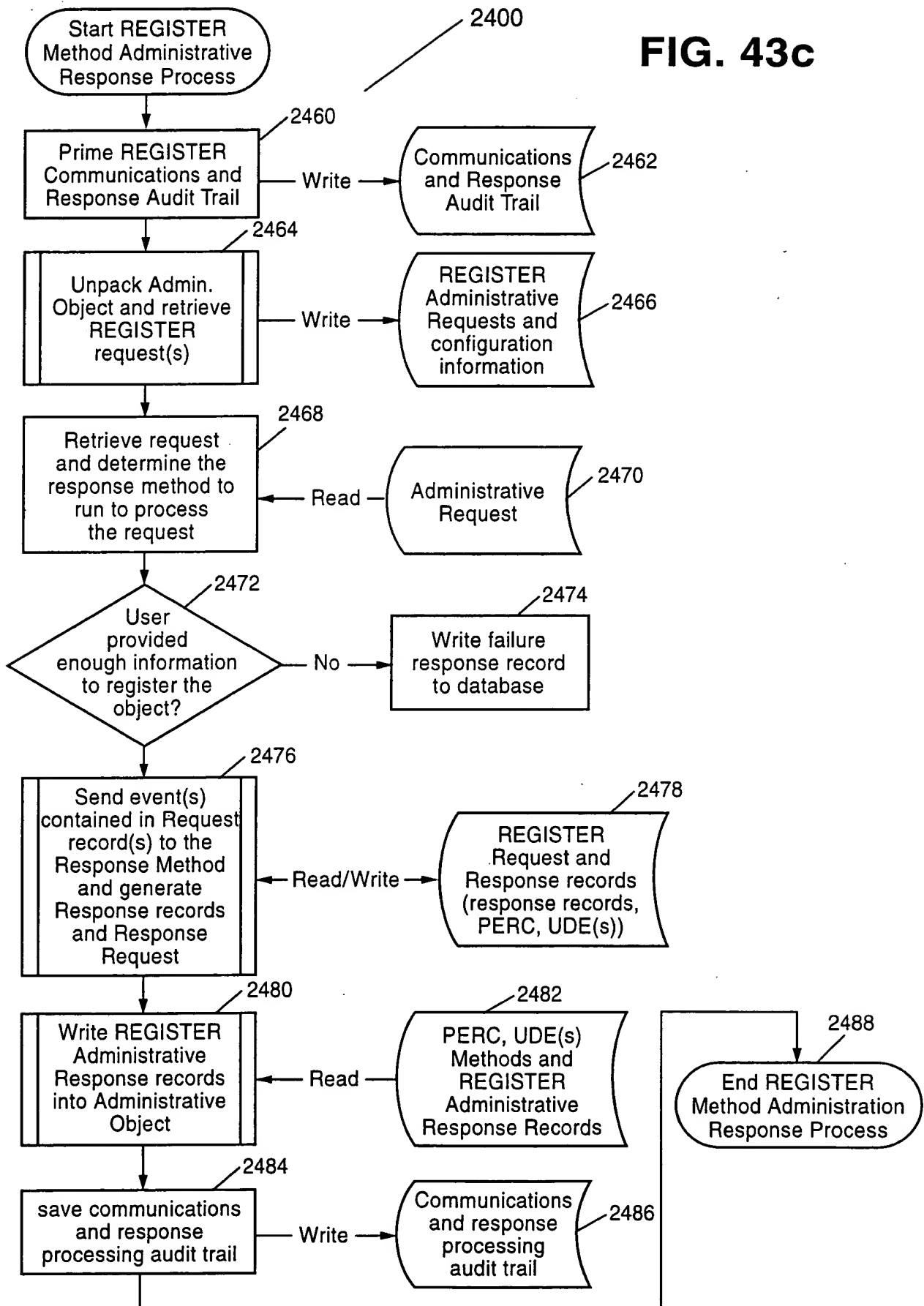


FIG. 43d

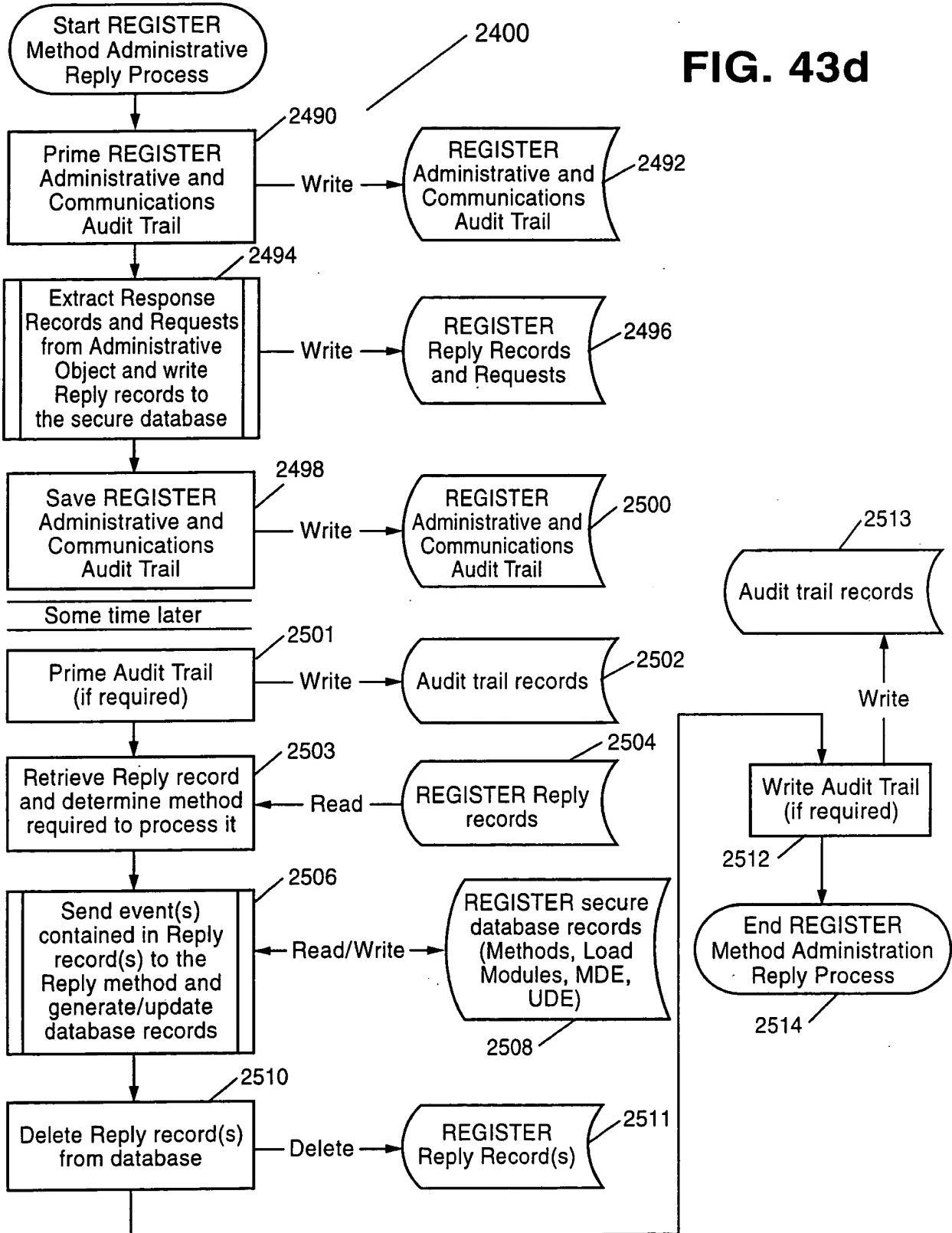


FIG. 44a

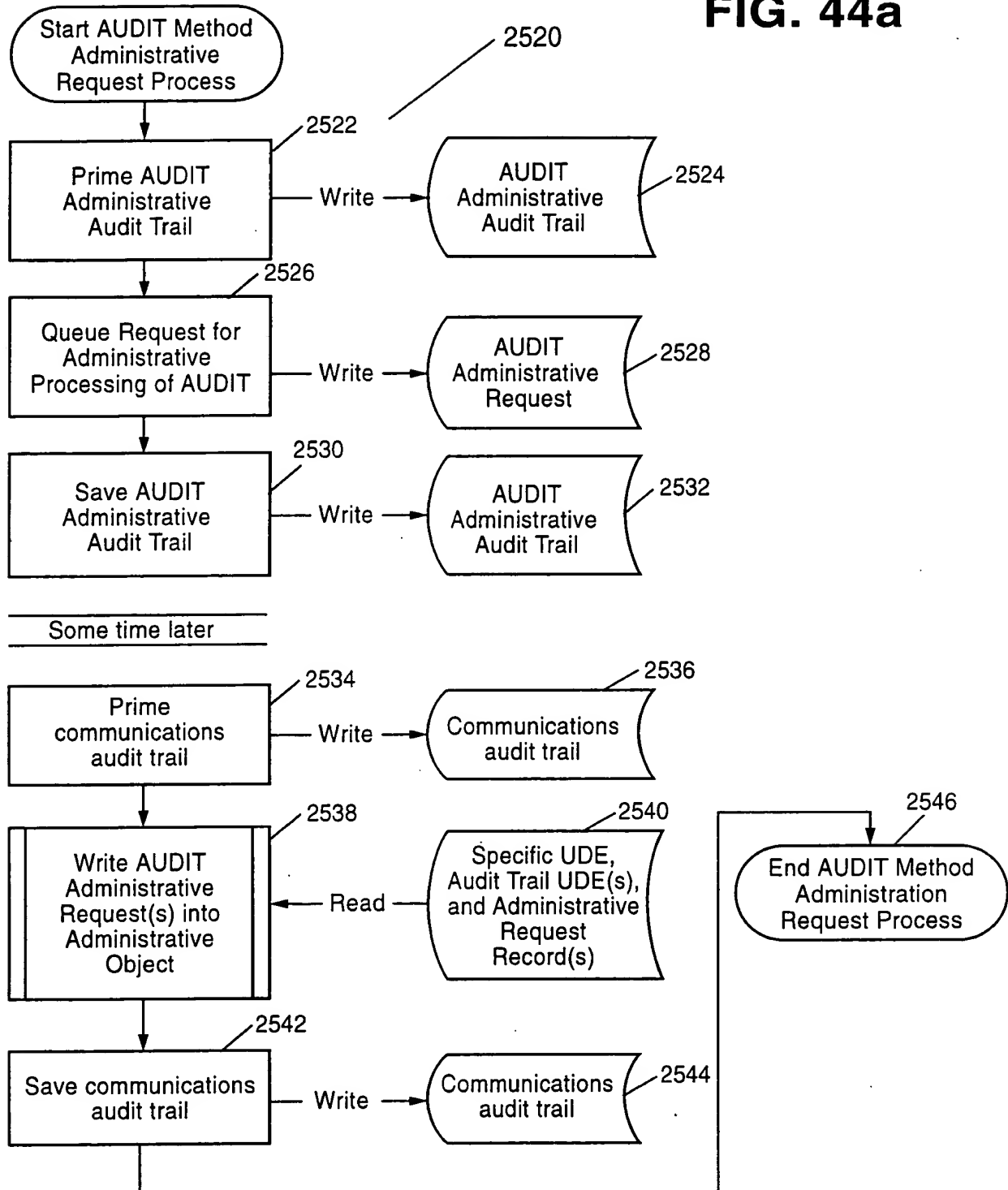


FIG. 44b

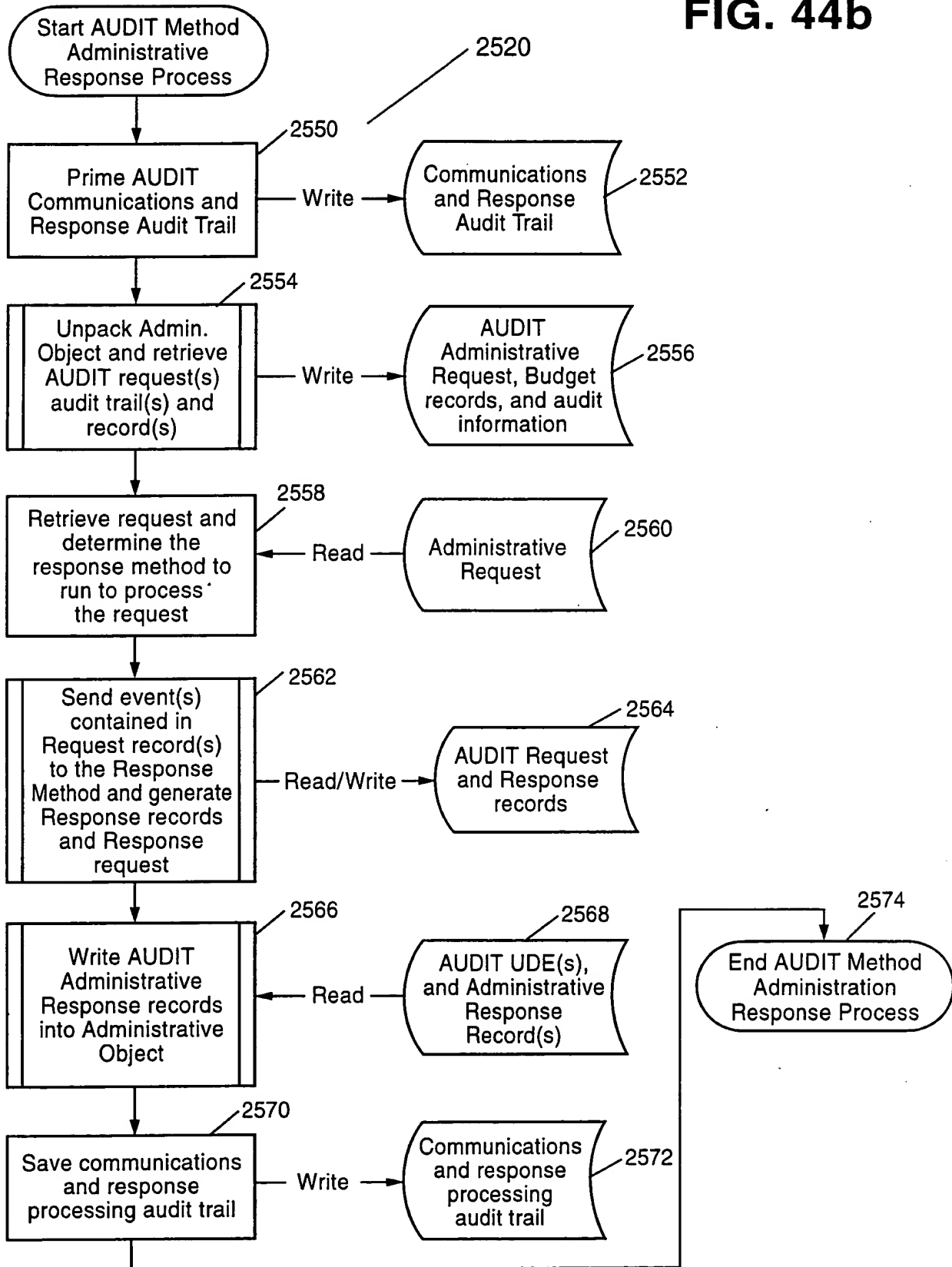


FIG. 44c

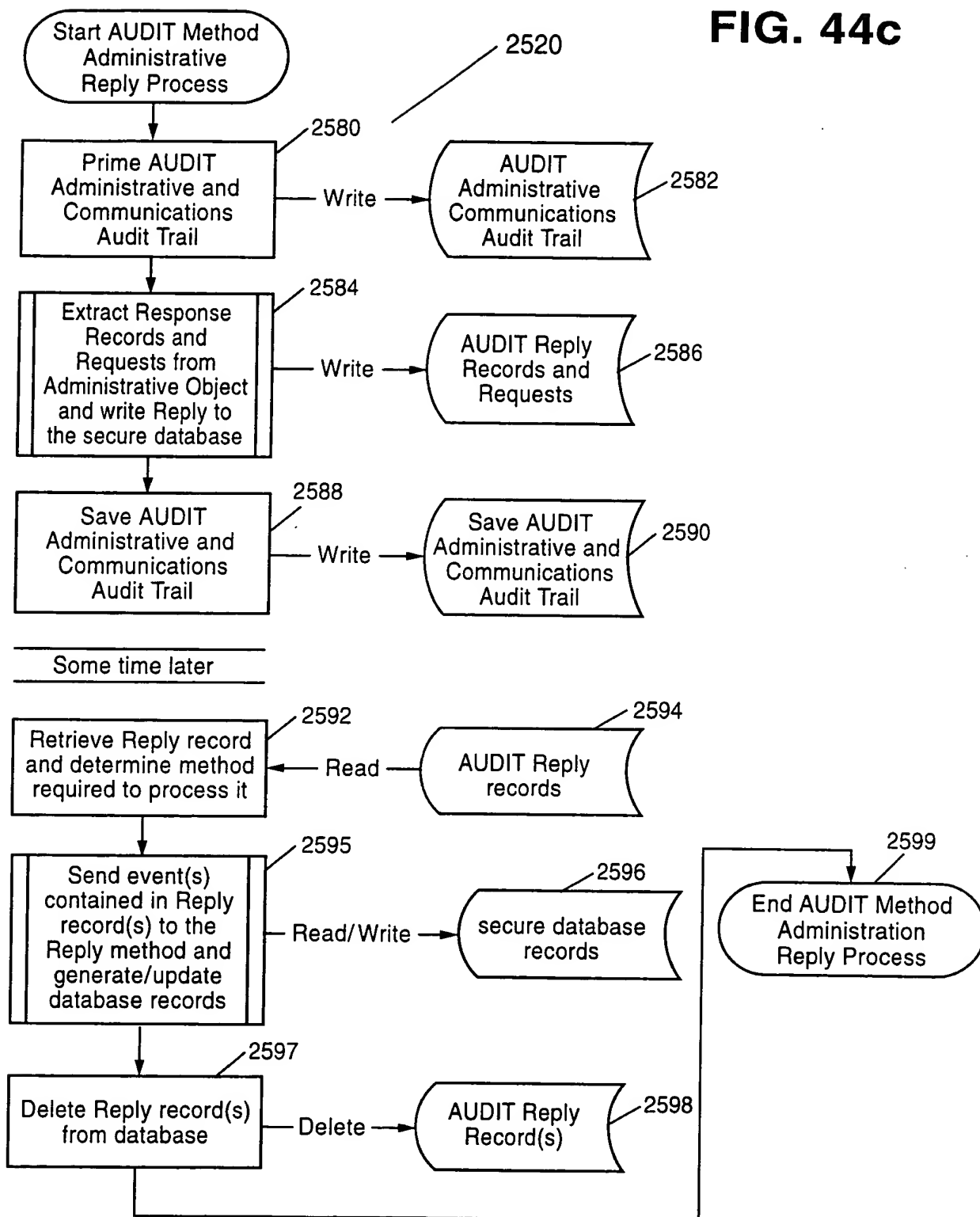


FIG. 45

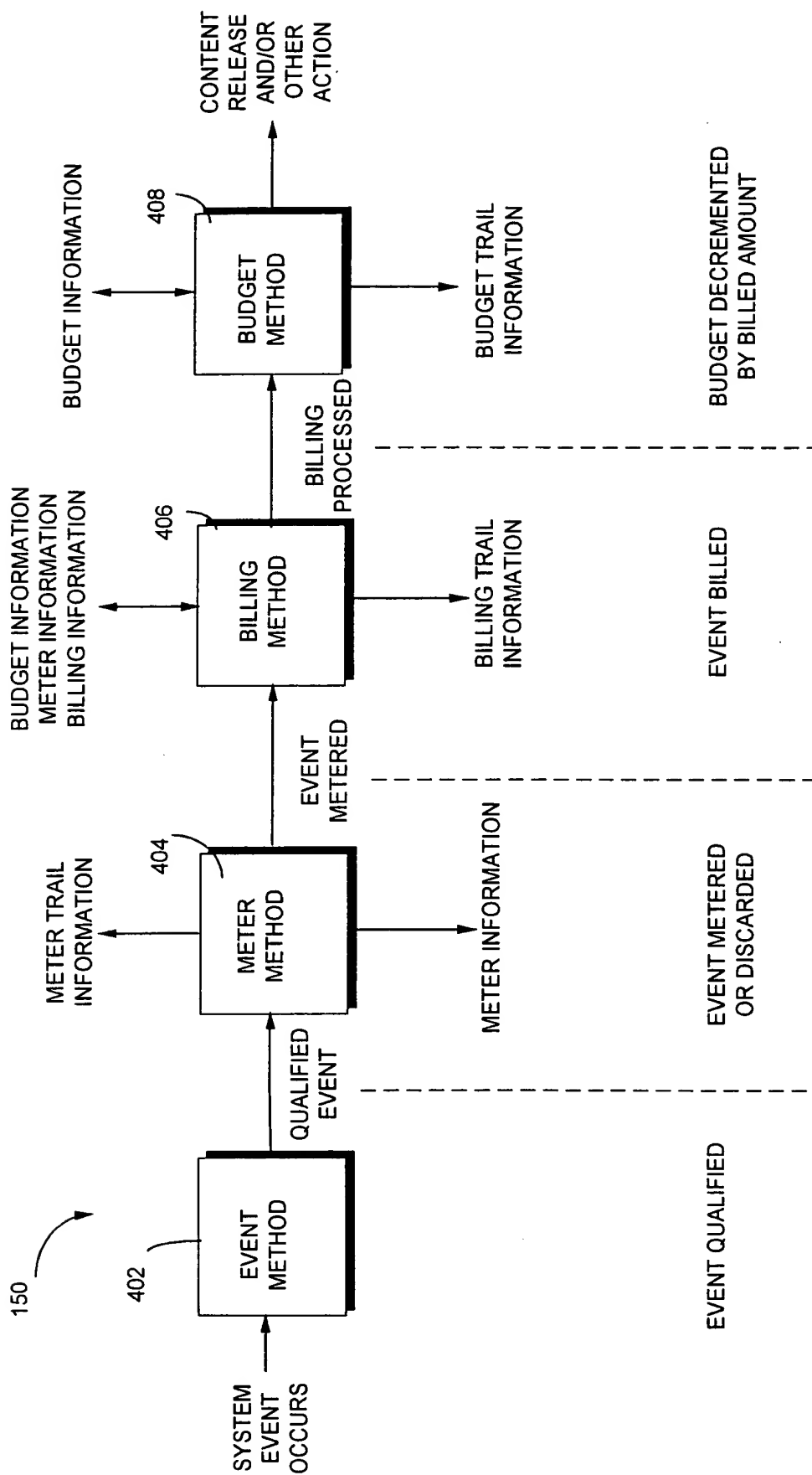


FIG. 46

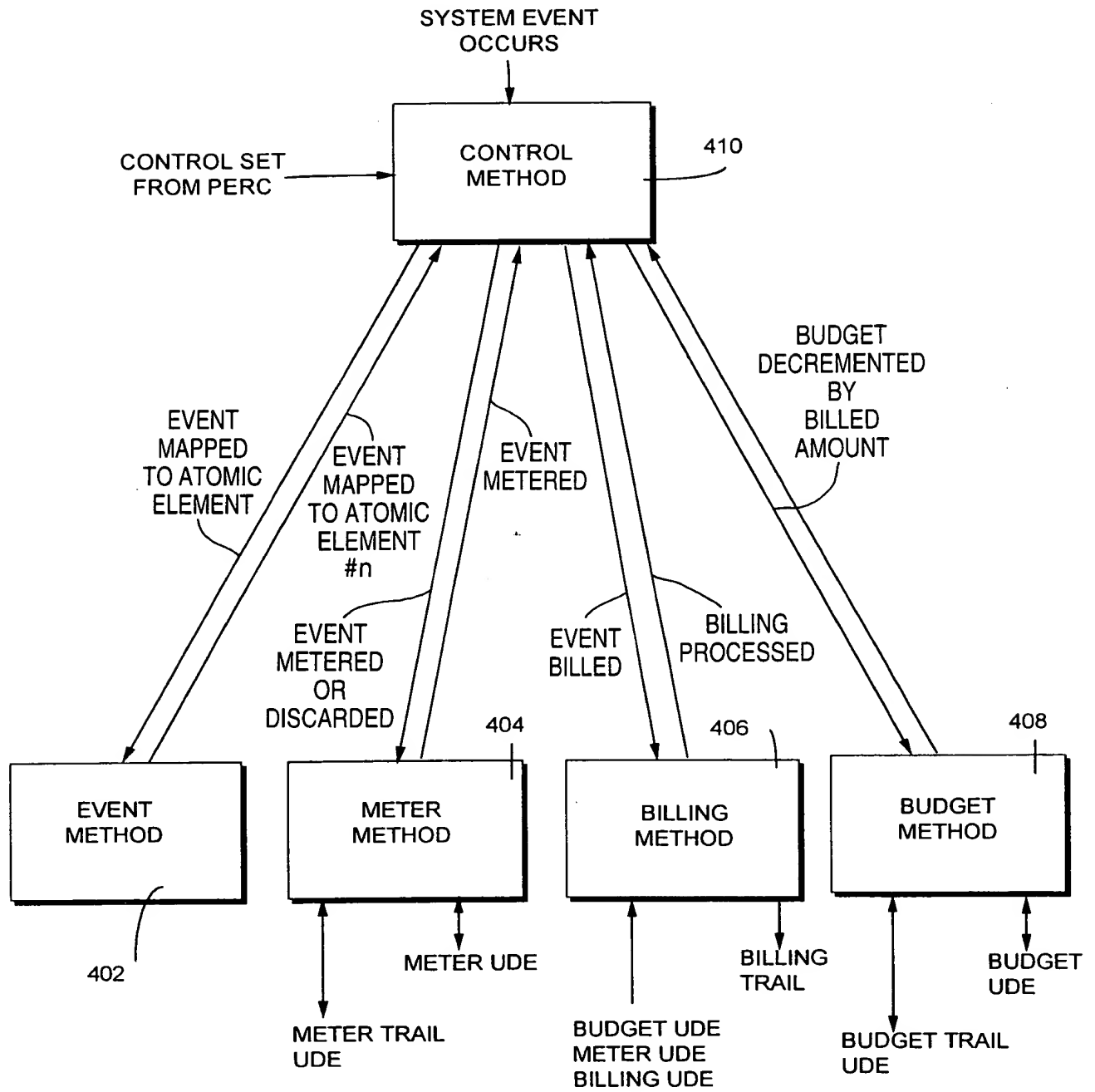
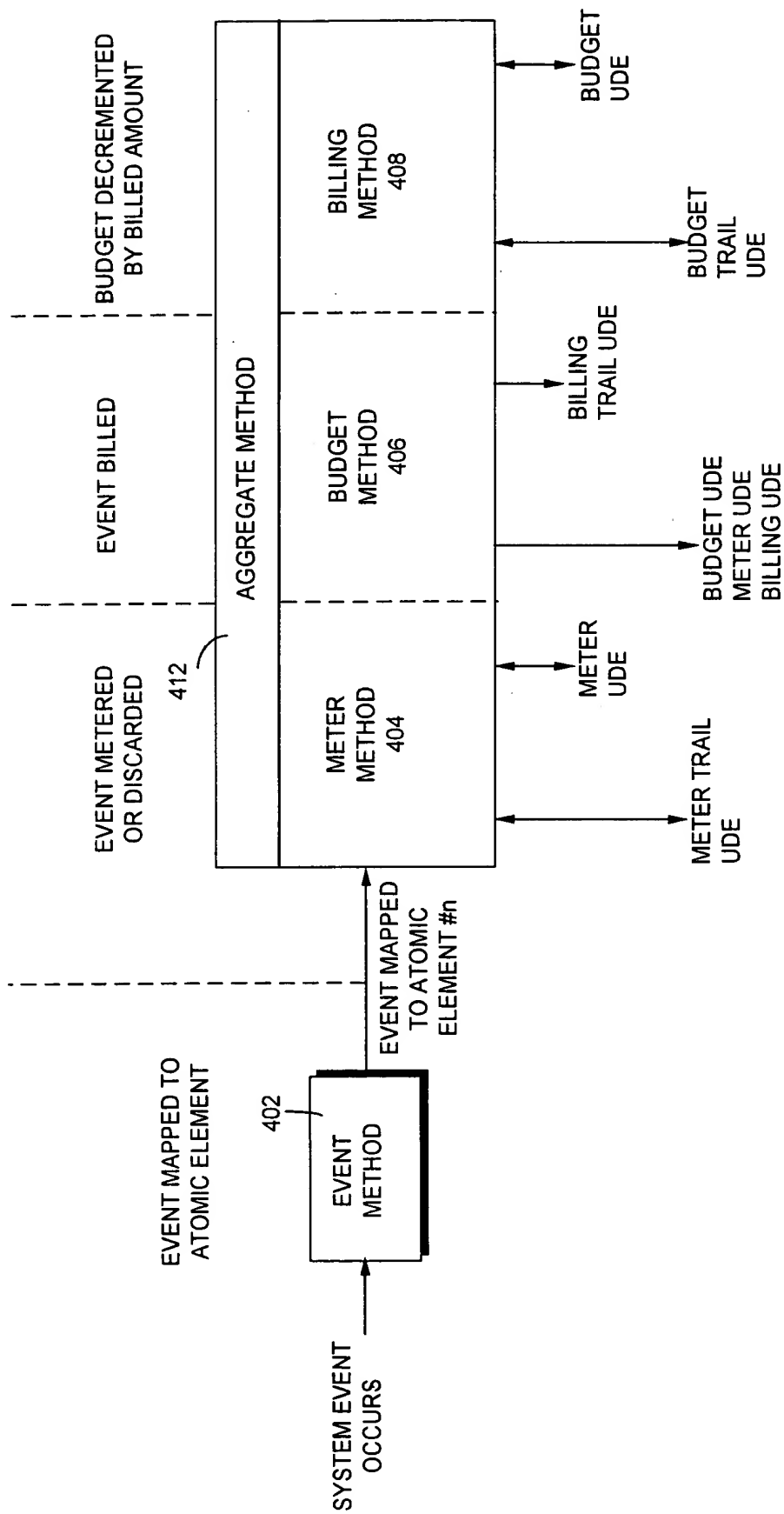
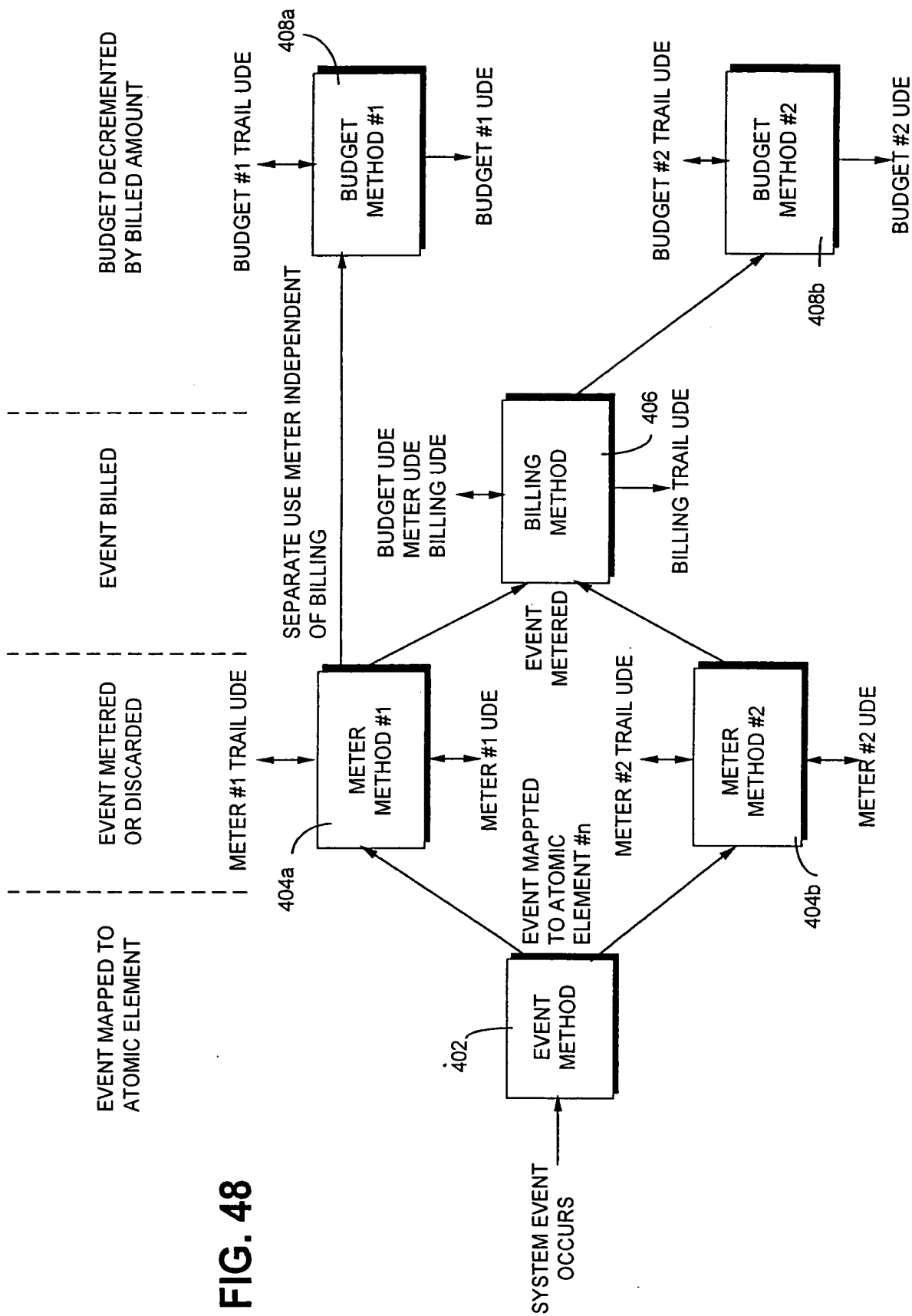


FIG. 47





09/6430.0201

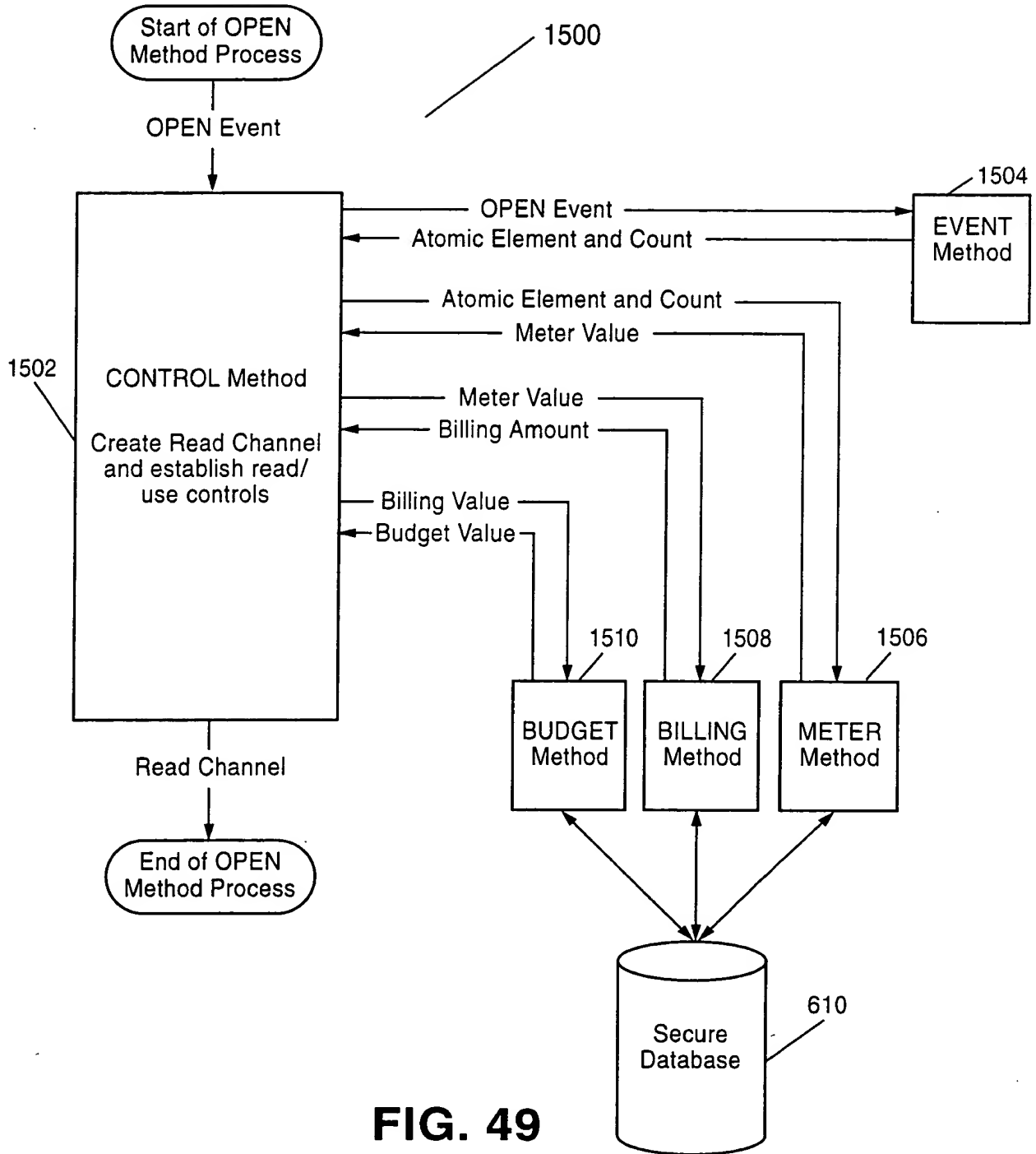


FIG. 49

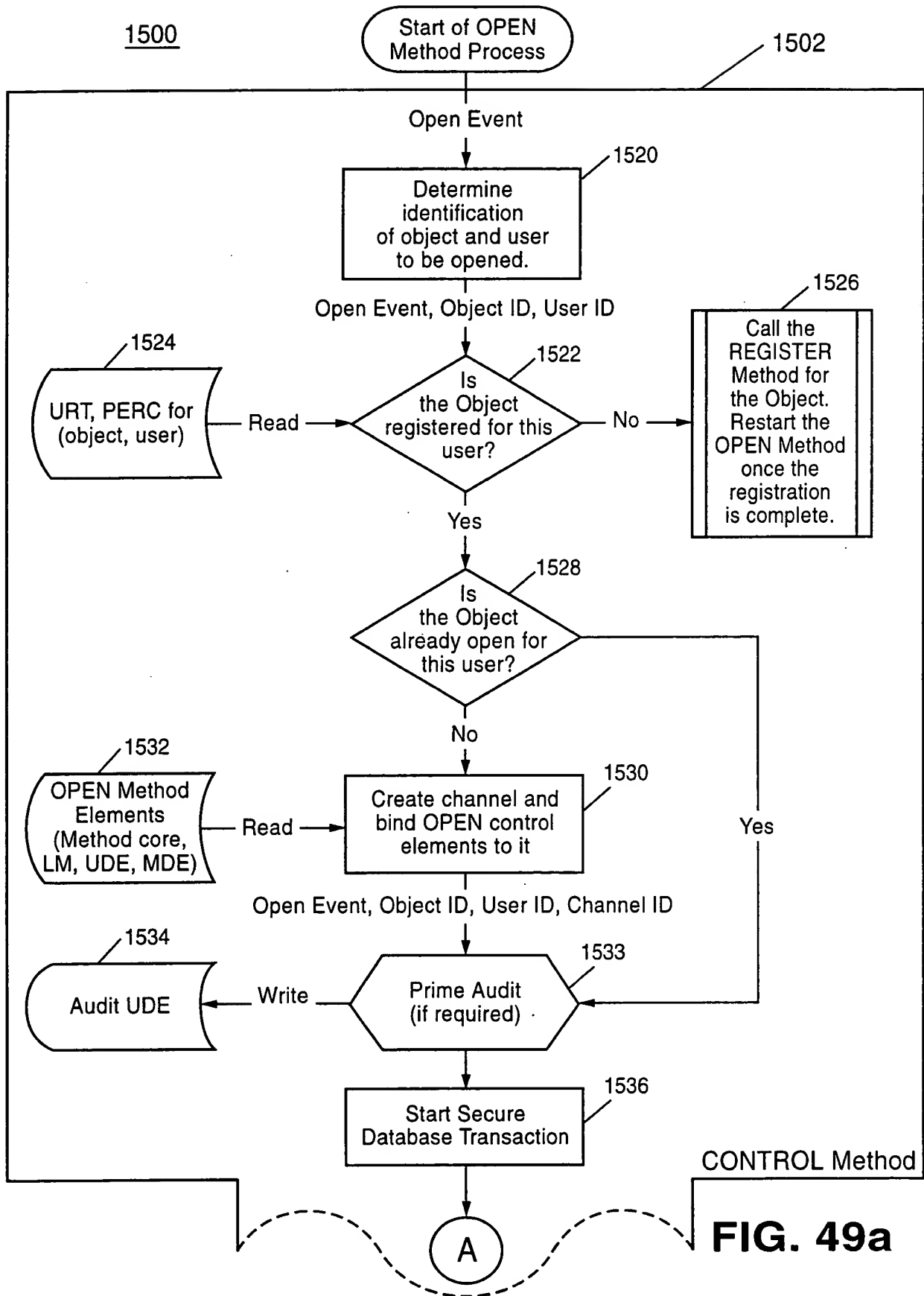


FIG. 49a

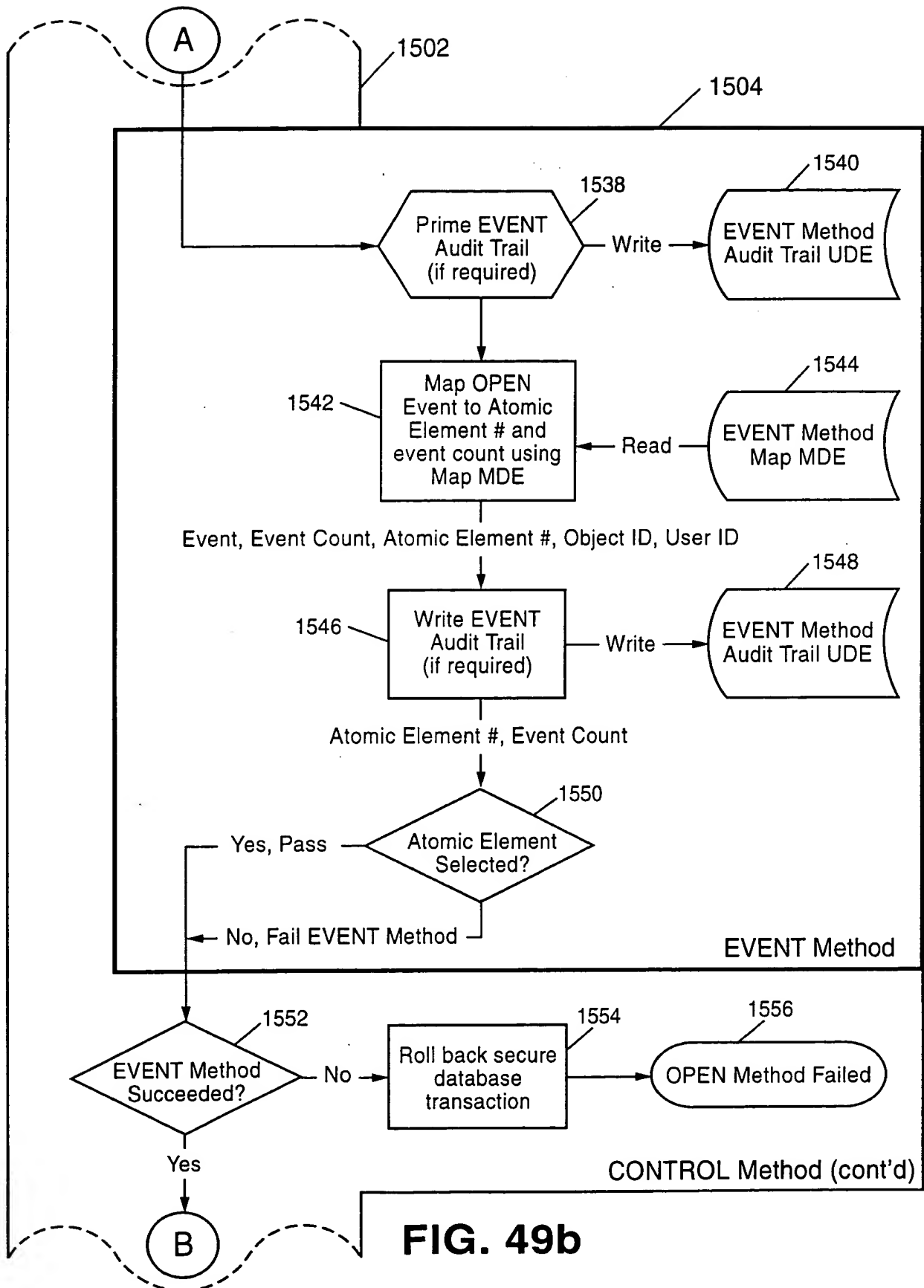


FIG. 49b

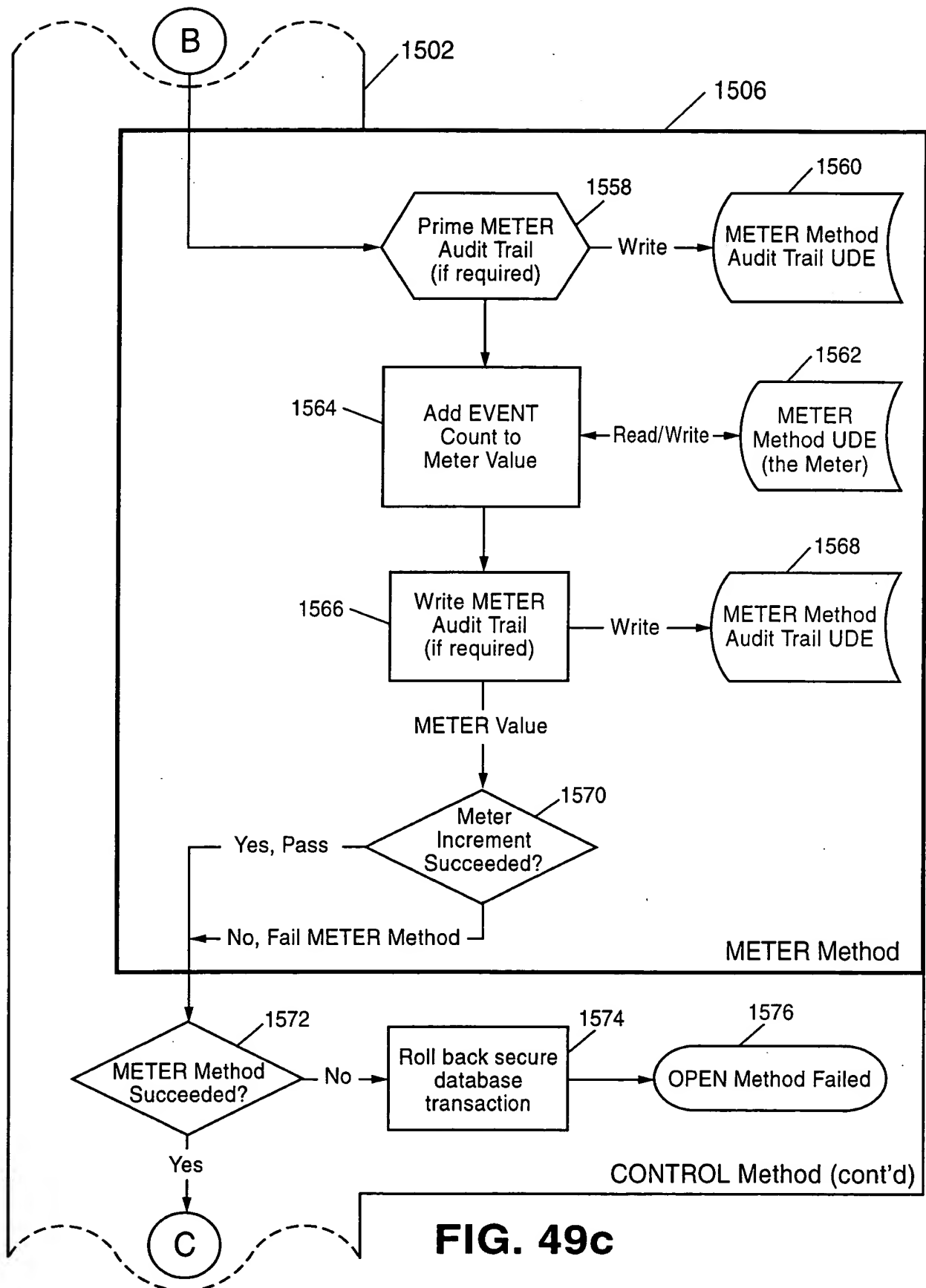


FIG. 49c

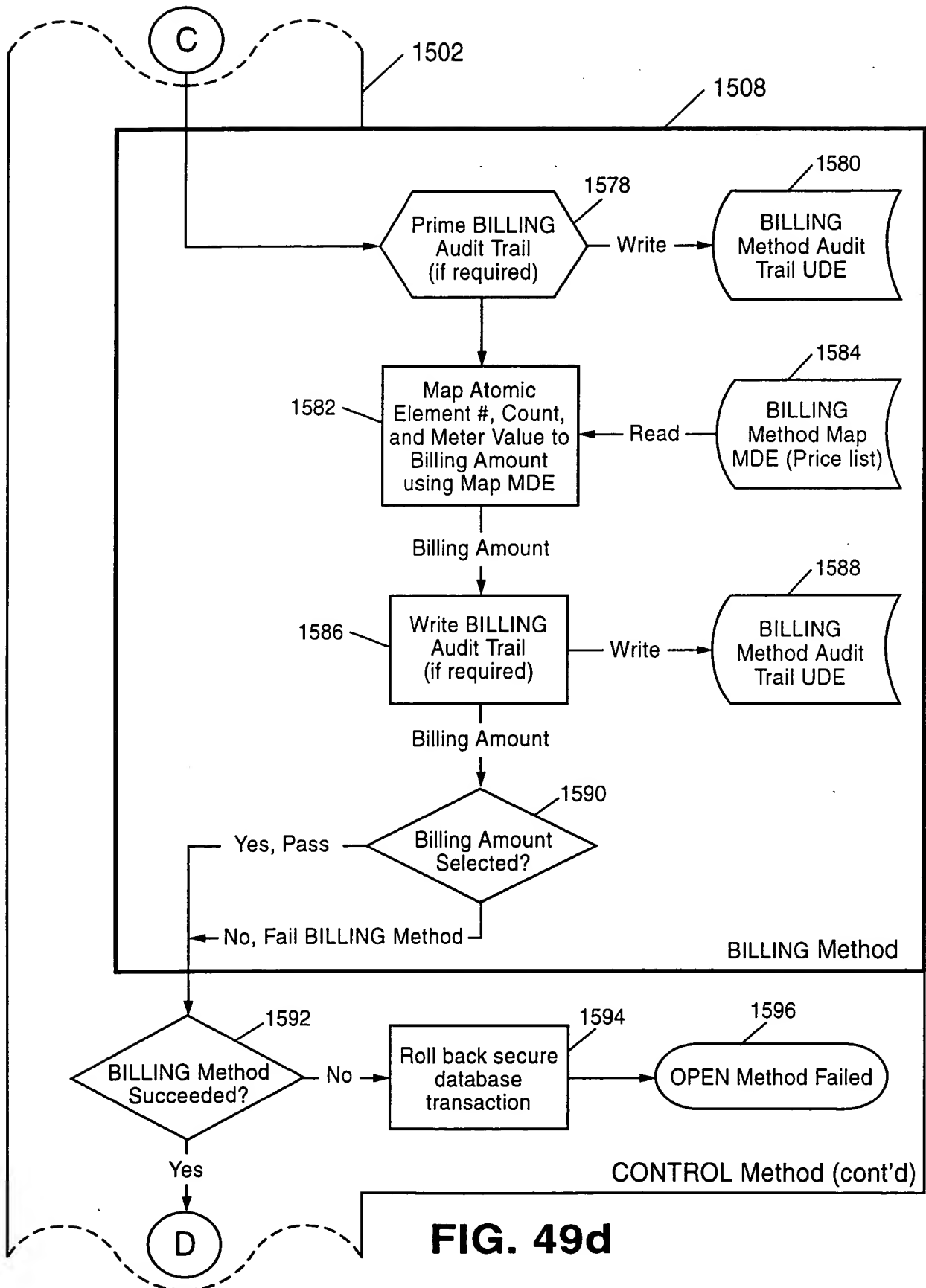


FIG. 49d

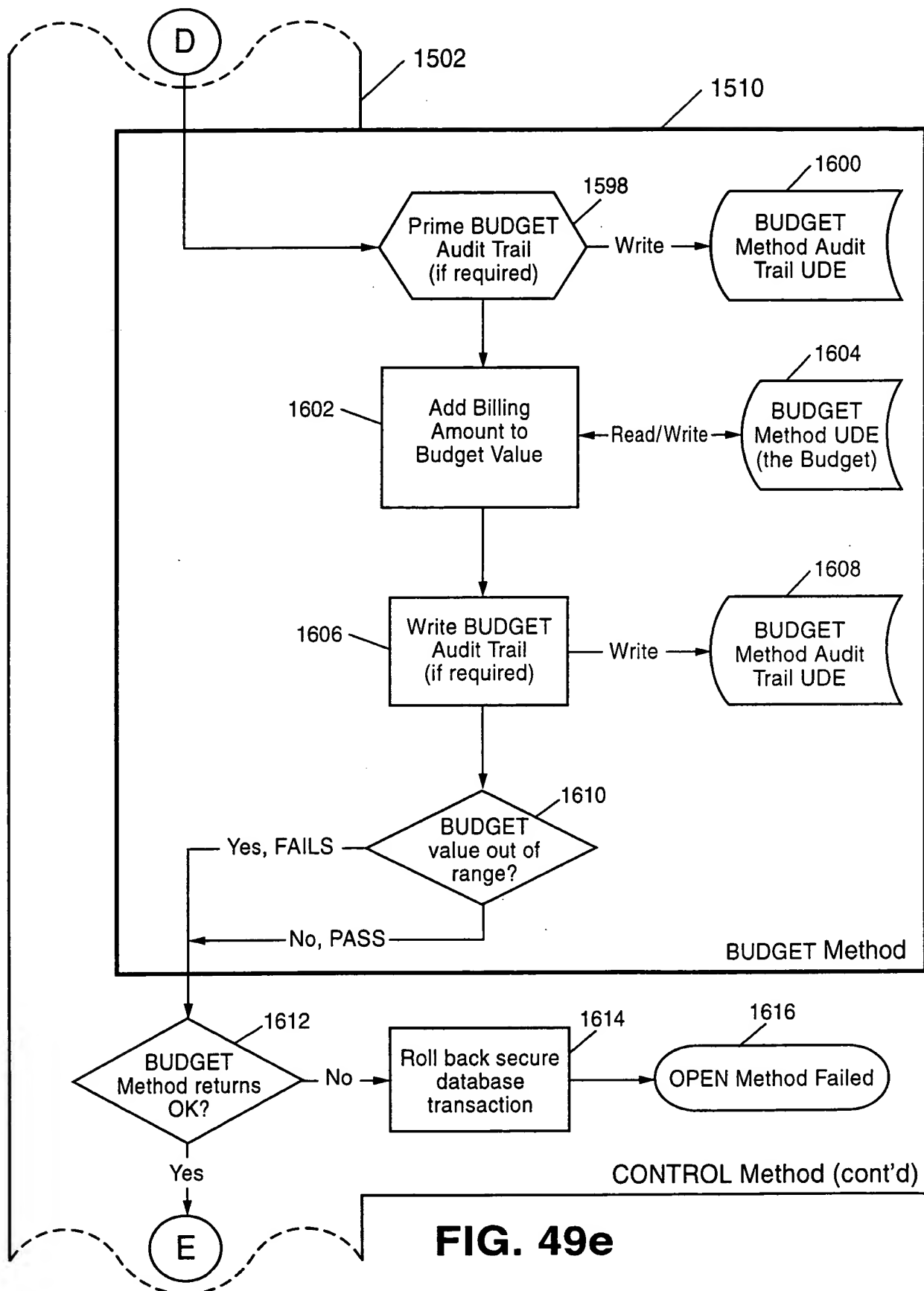


FIG. 49e

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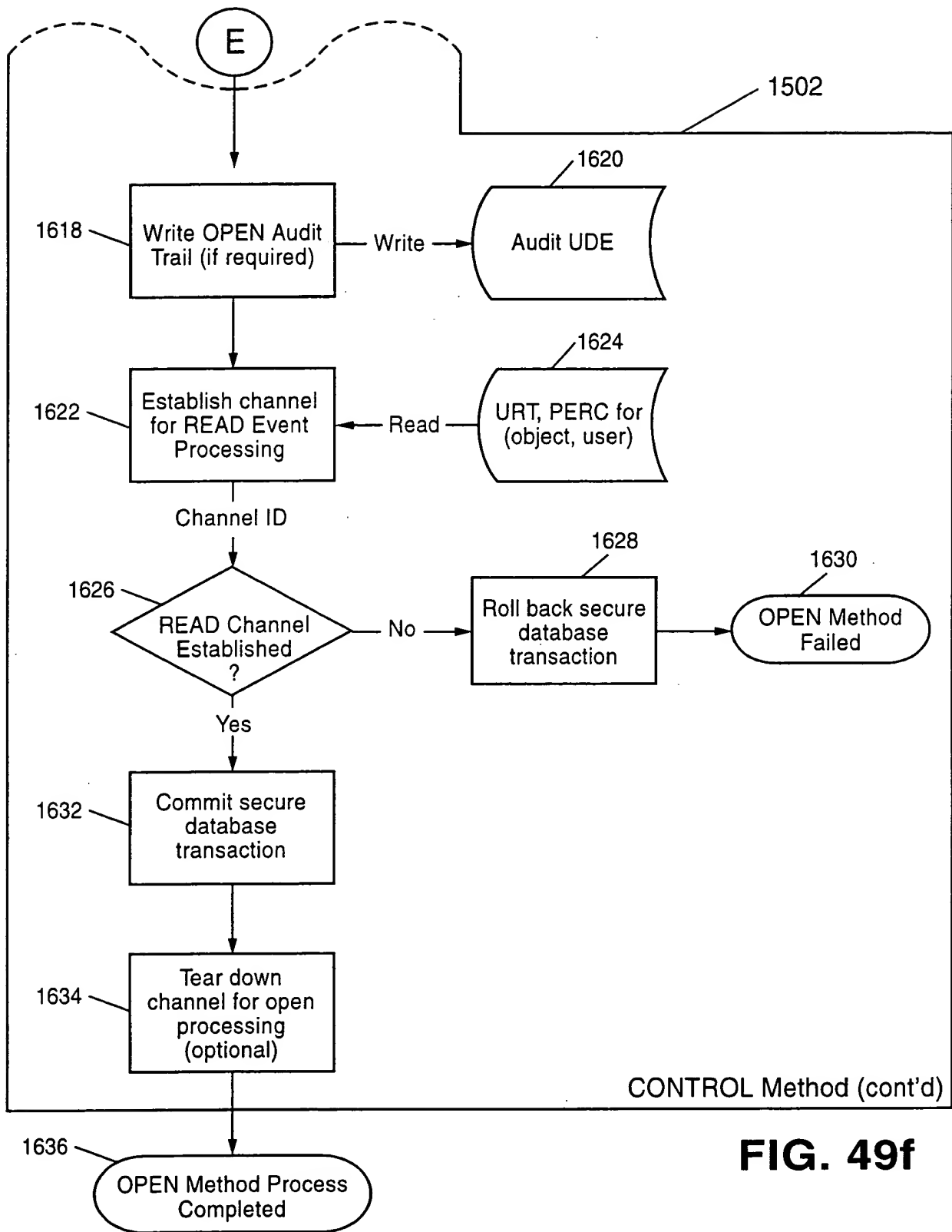


FIG. 50

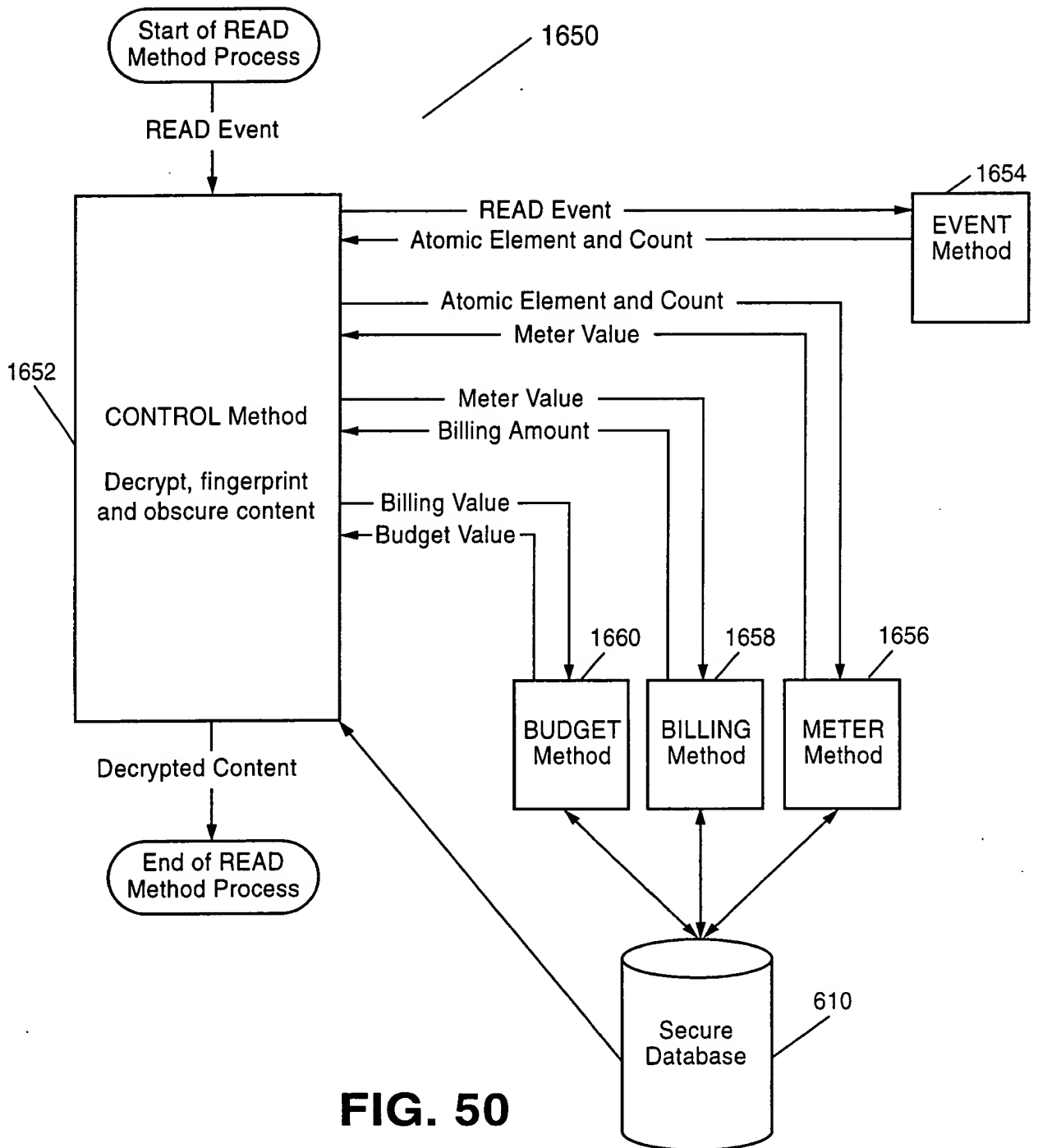
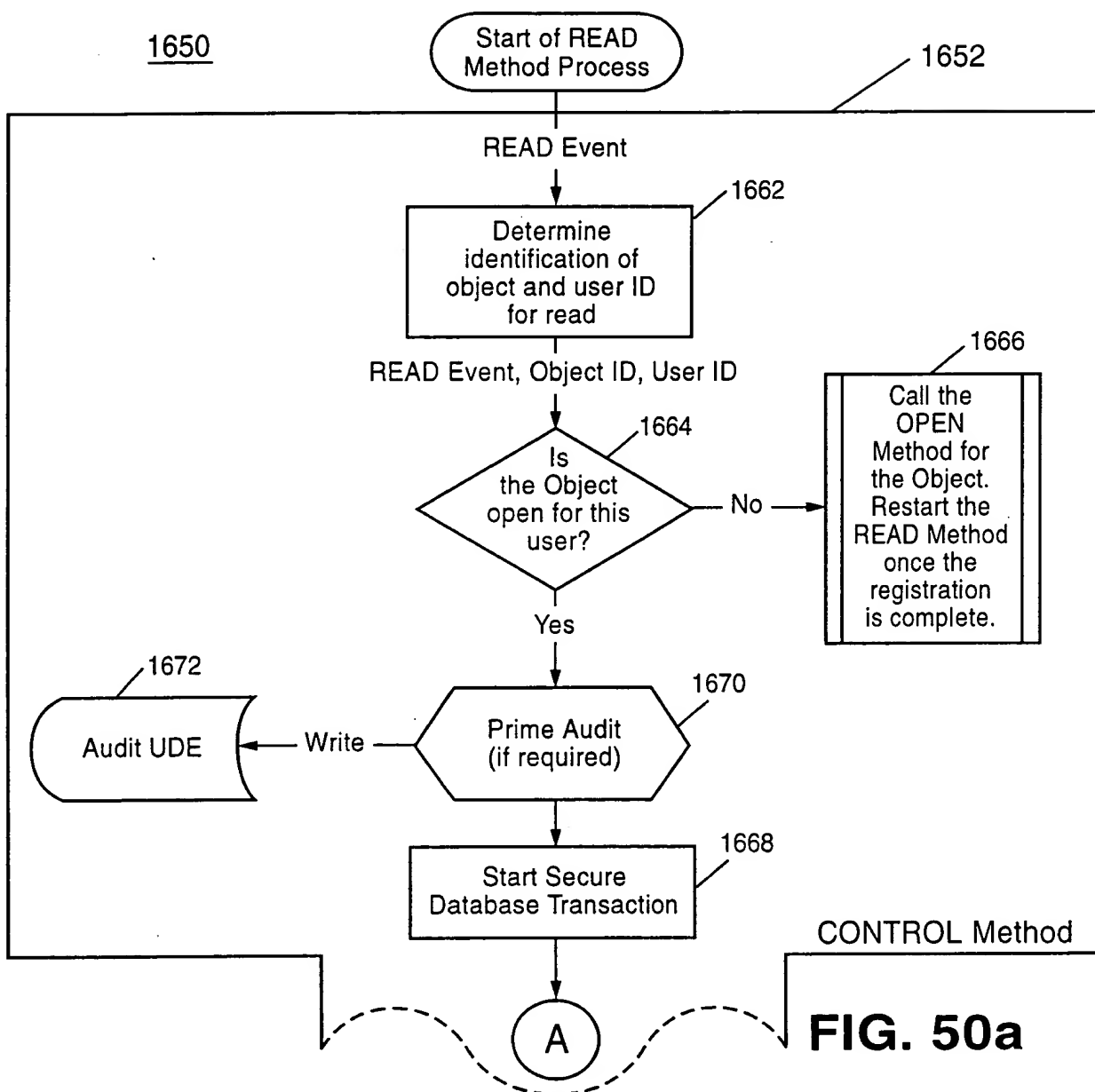


FIG. 50



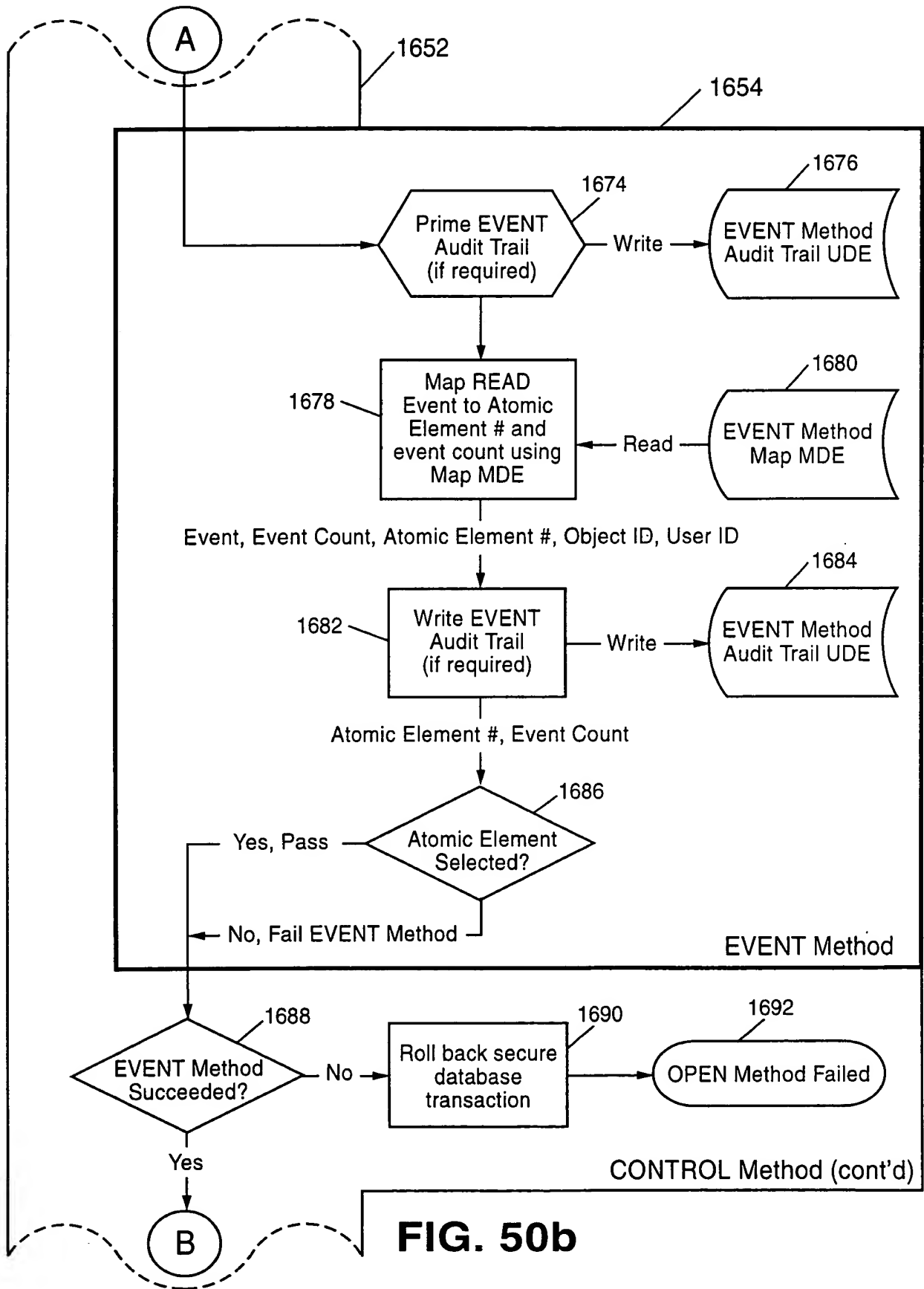


FIG. 50b

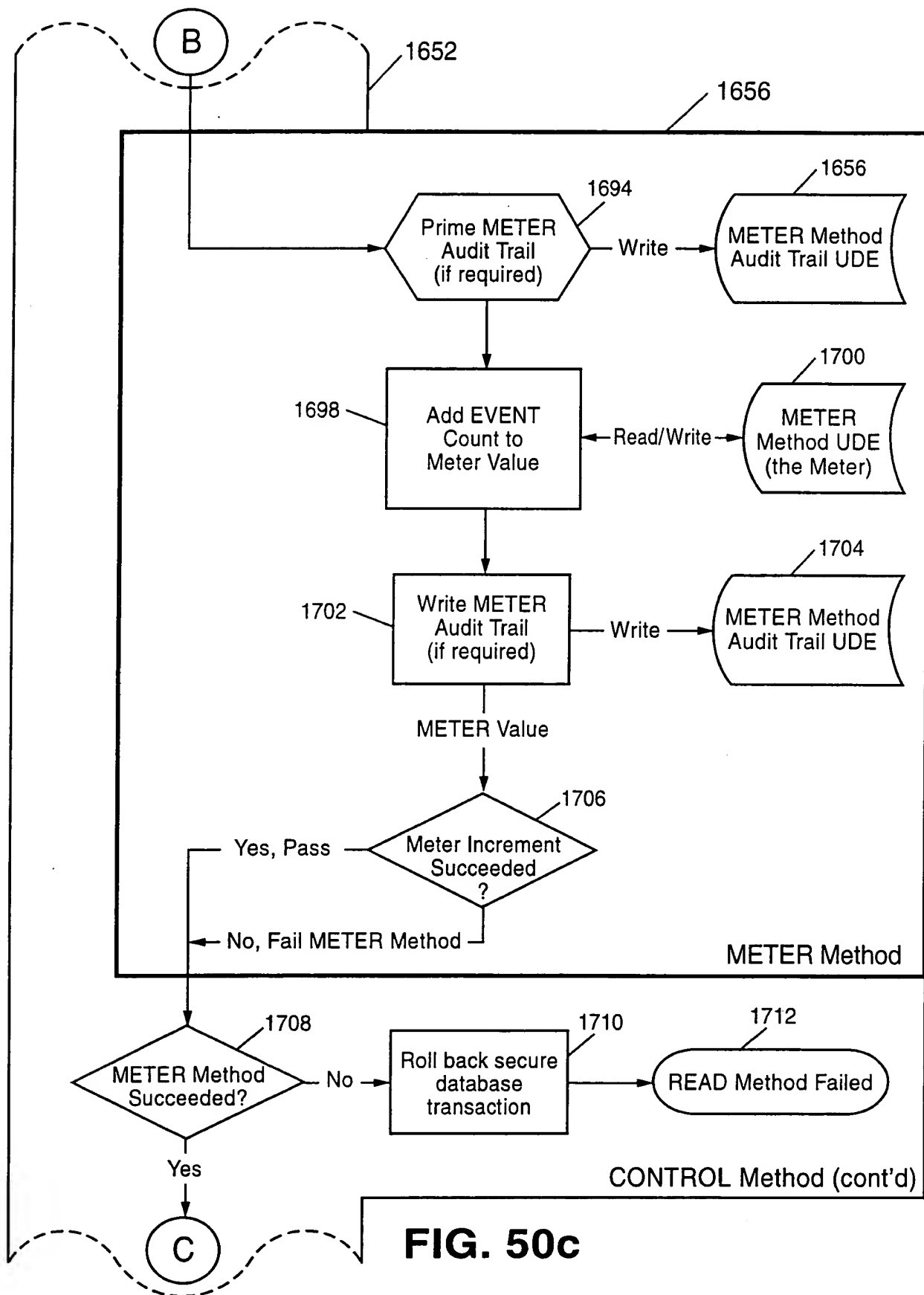


FIG. 50c

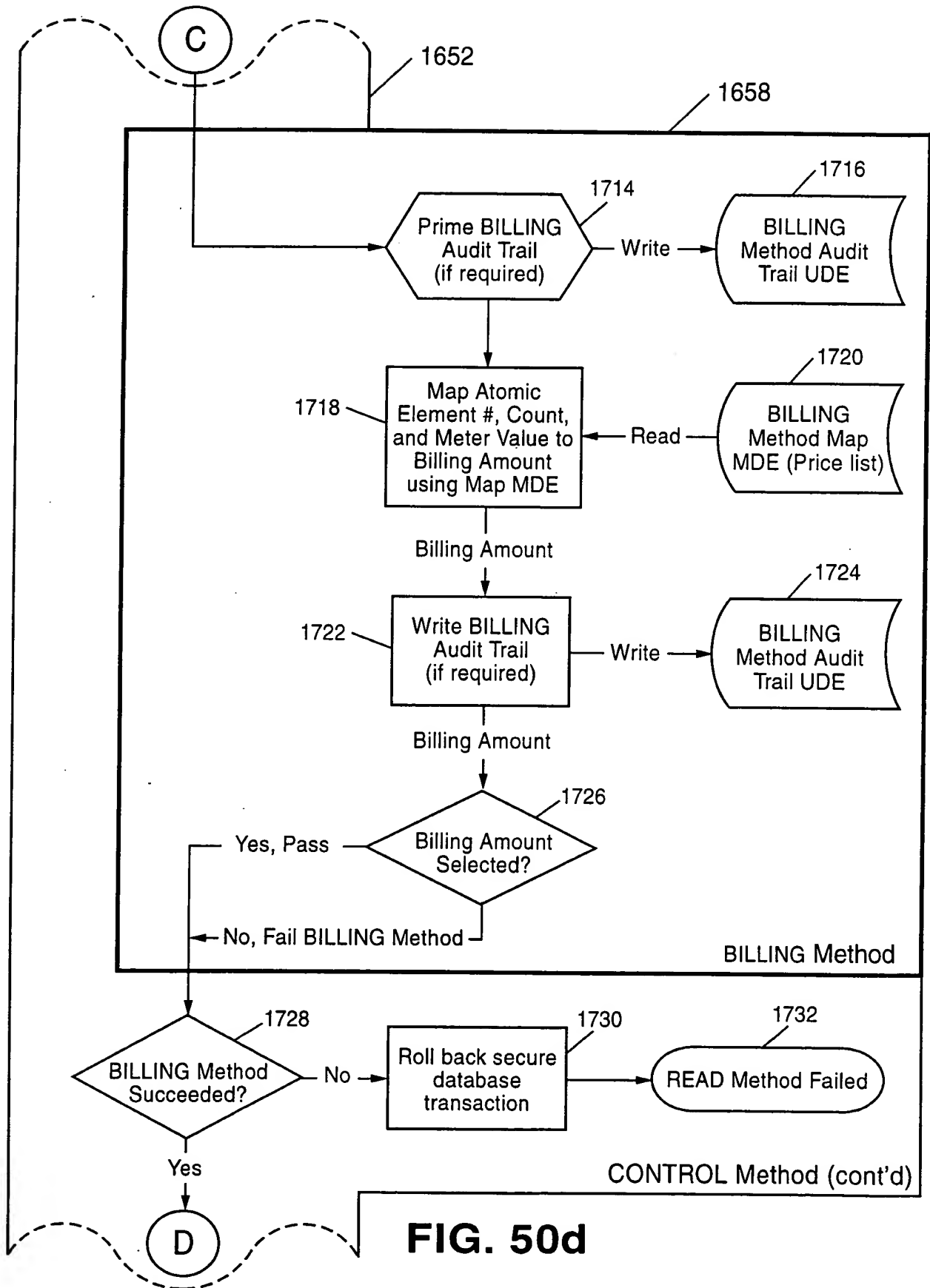


FIG. 50d

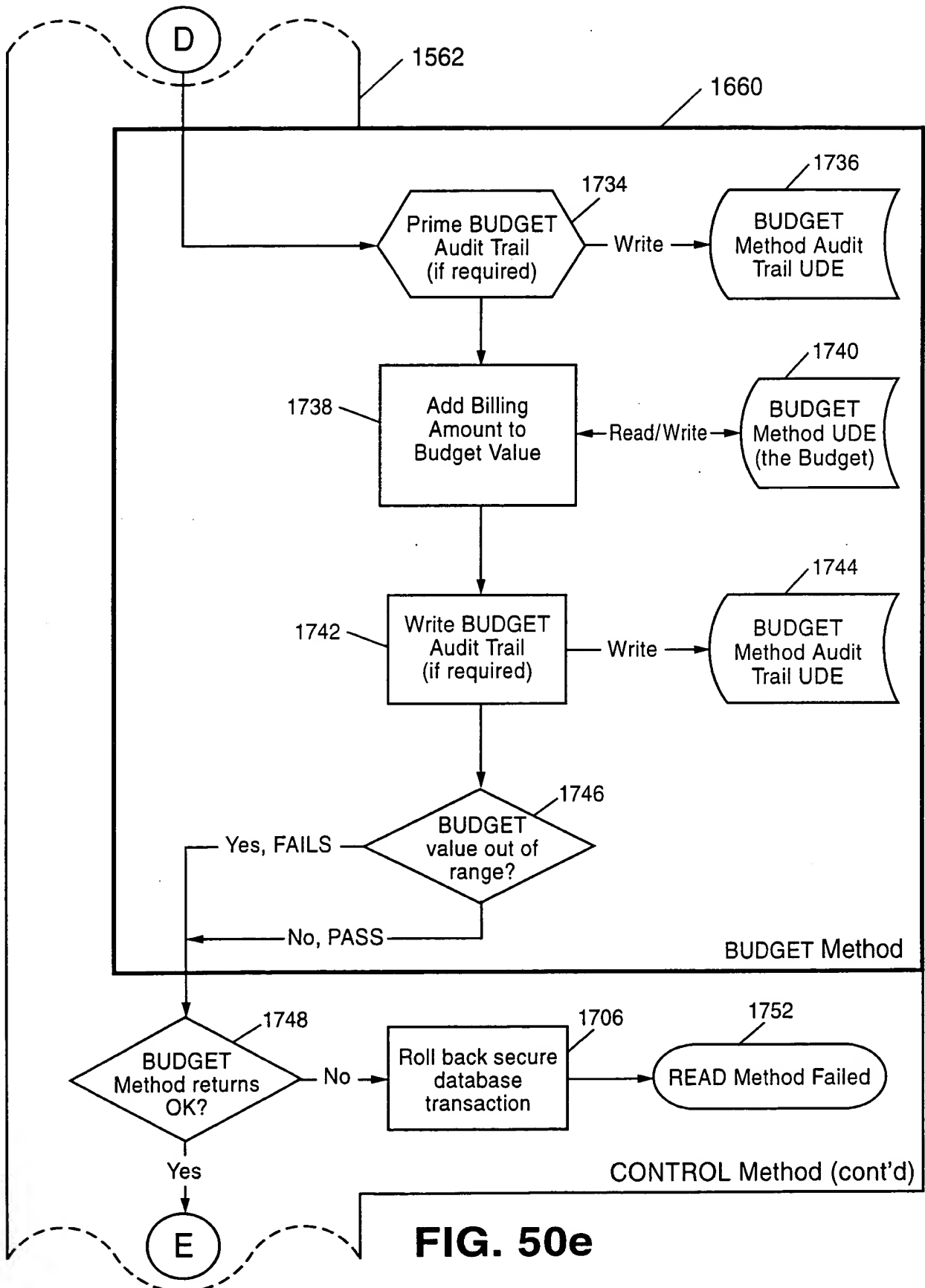
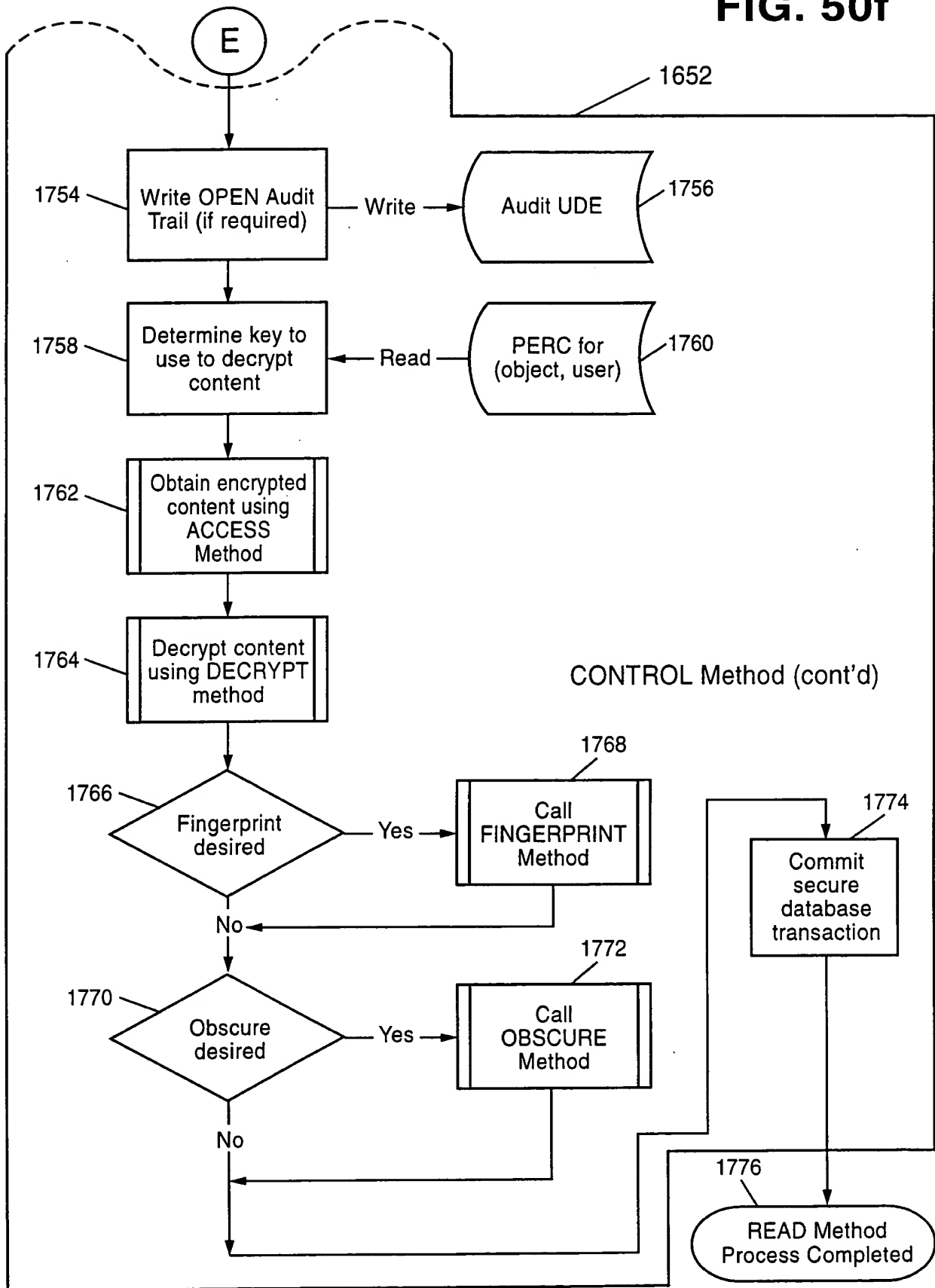


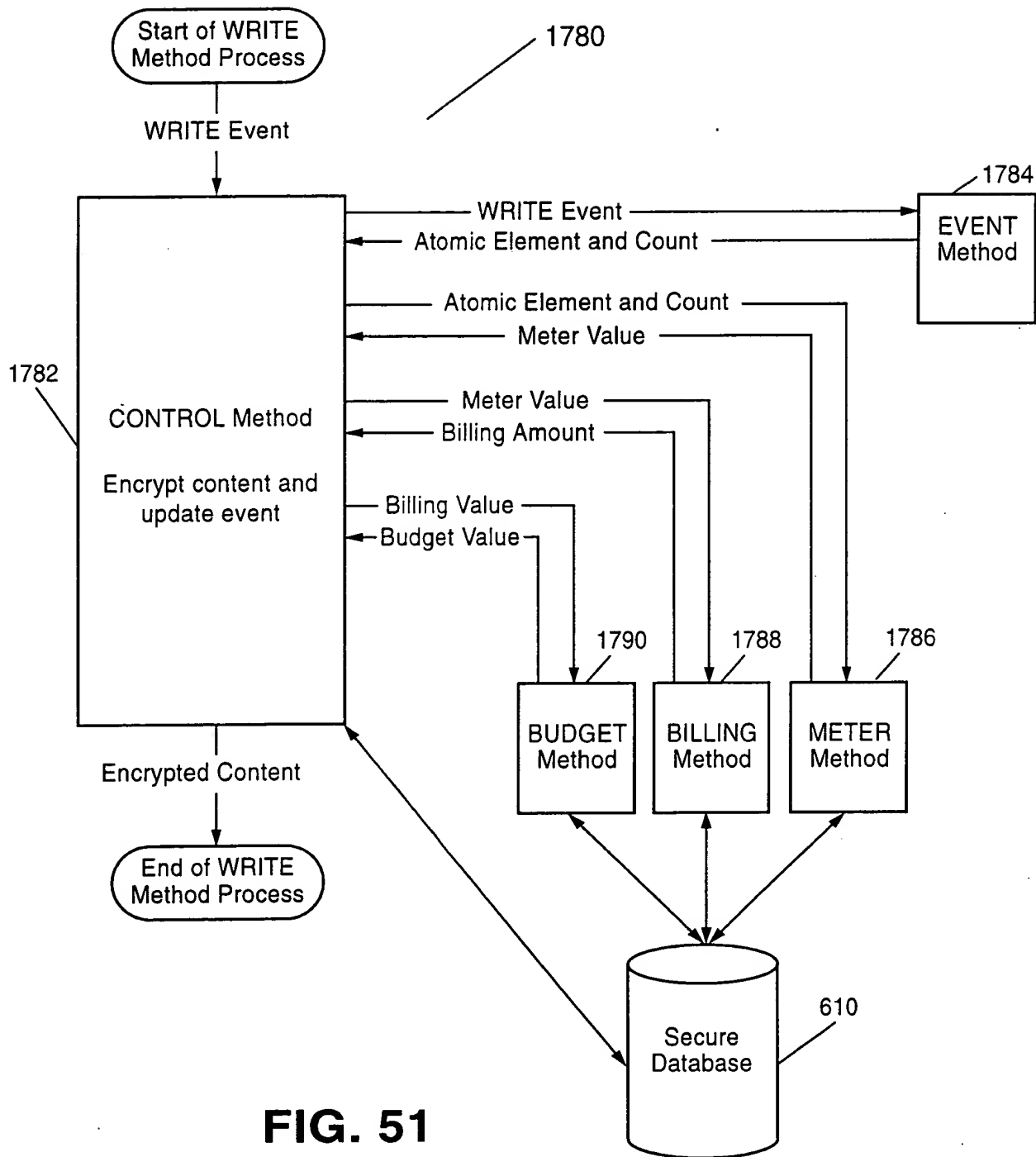
FIG. 50e

FIG. 50f



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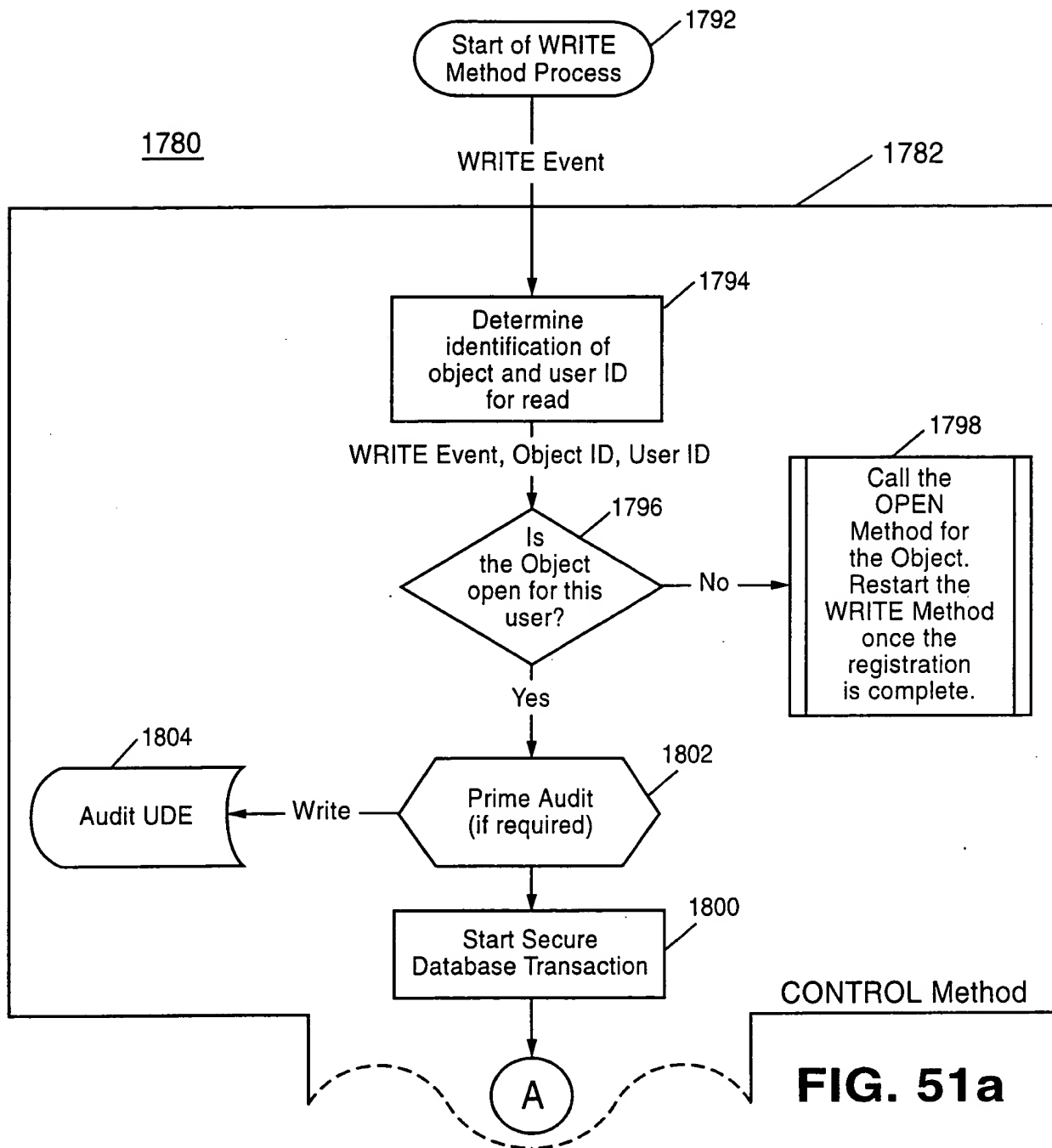


FIG. 51b

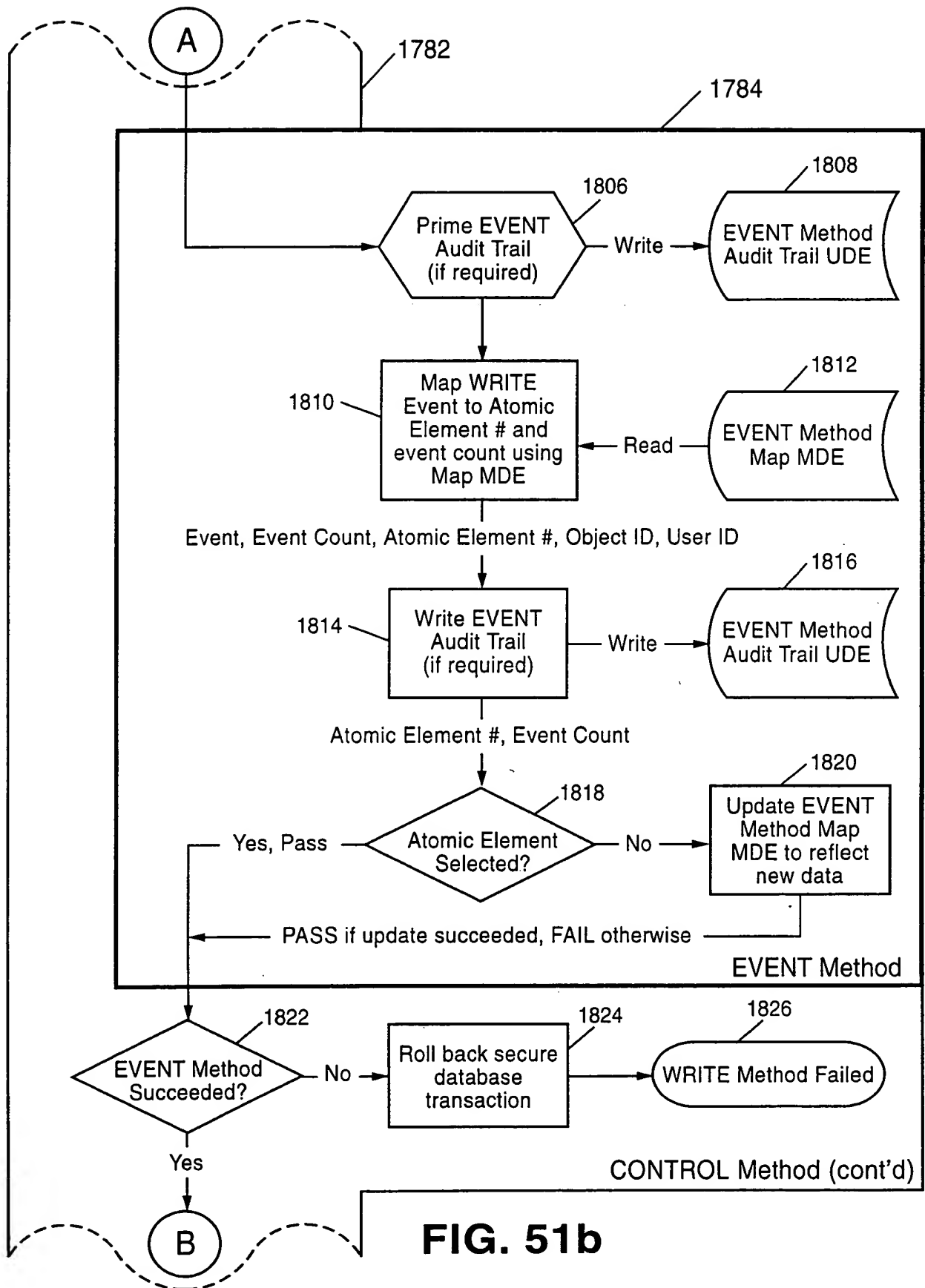


FIG. 51b

FIG. 51c

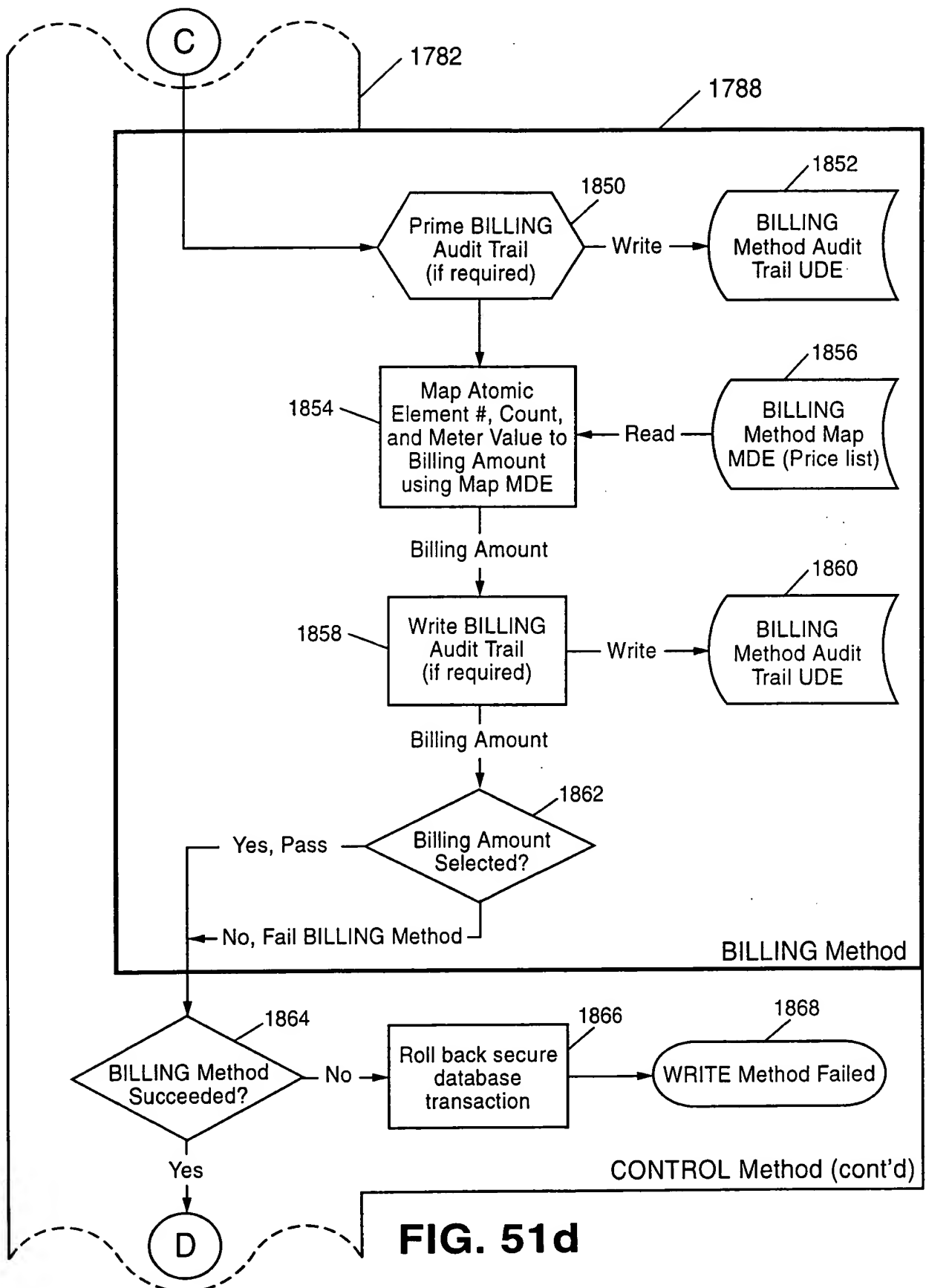


FIG. 51d

FIG. 51e

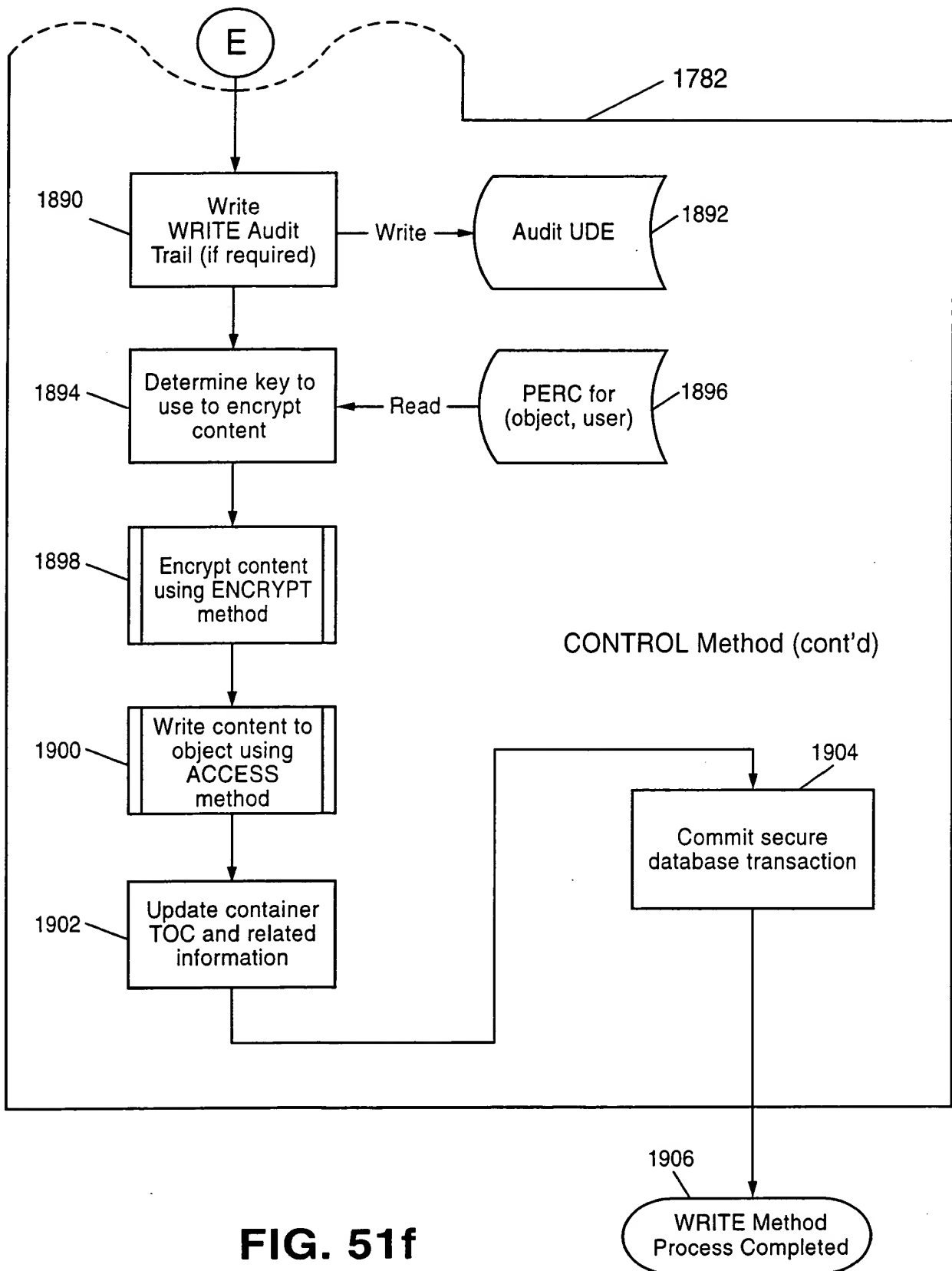


FIG. 51f

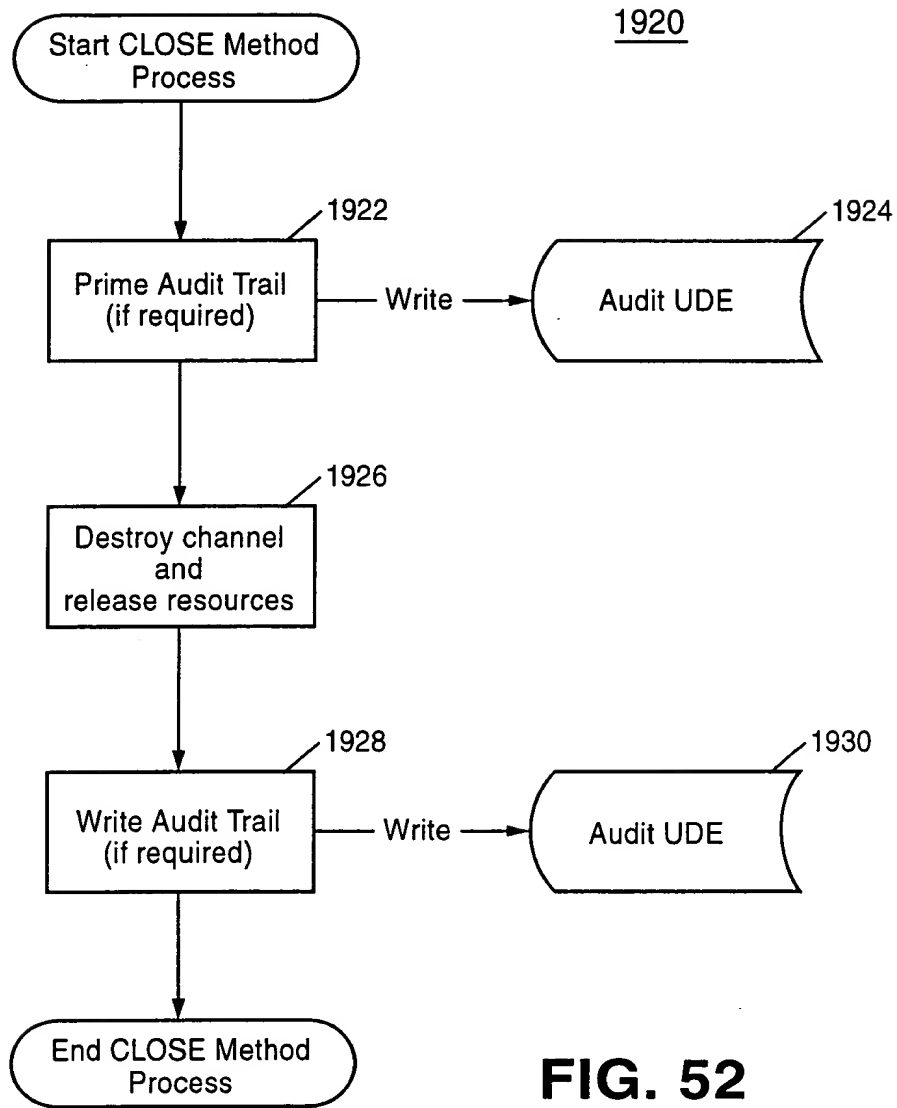


FIG. 52

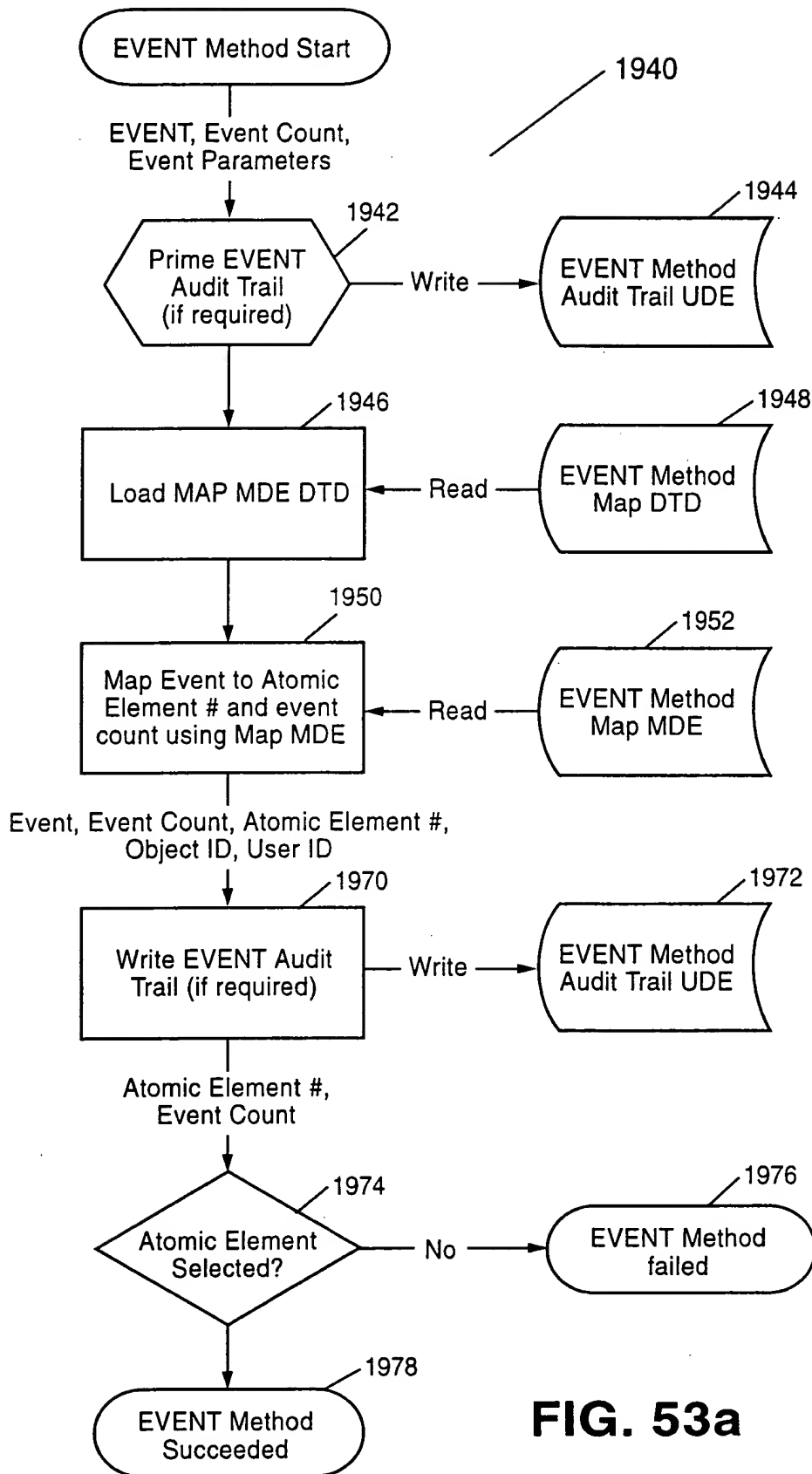


FIG. 53a

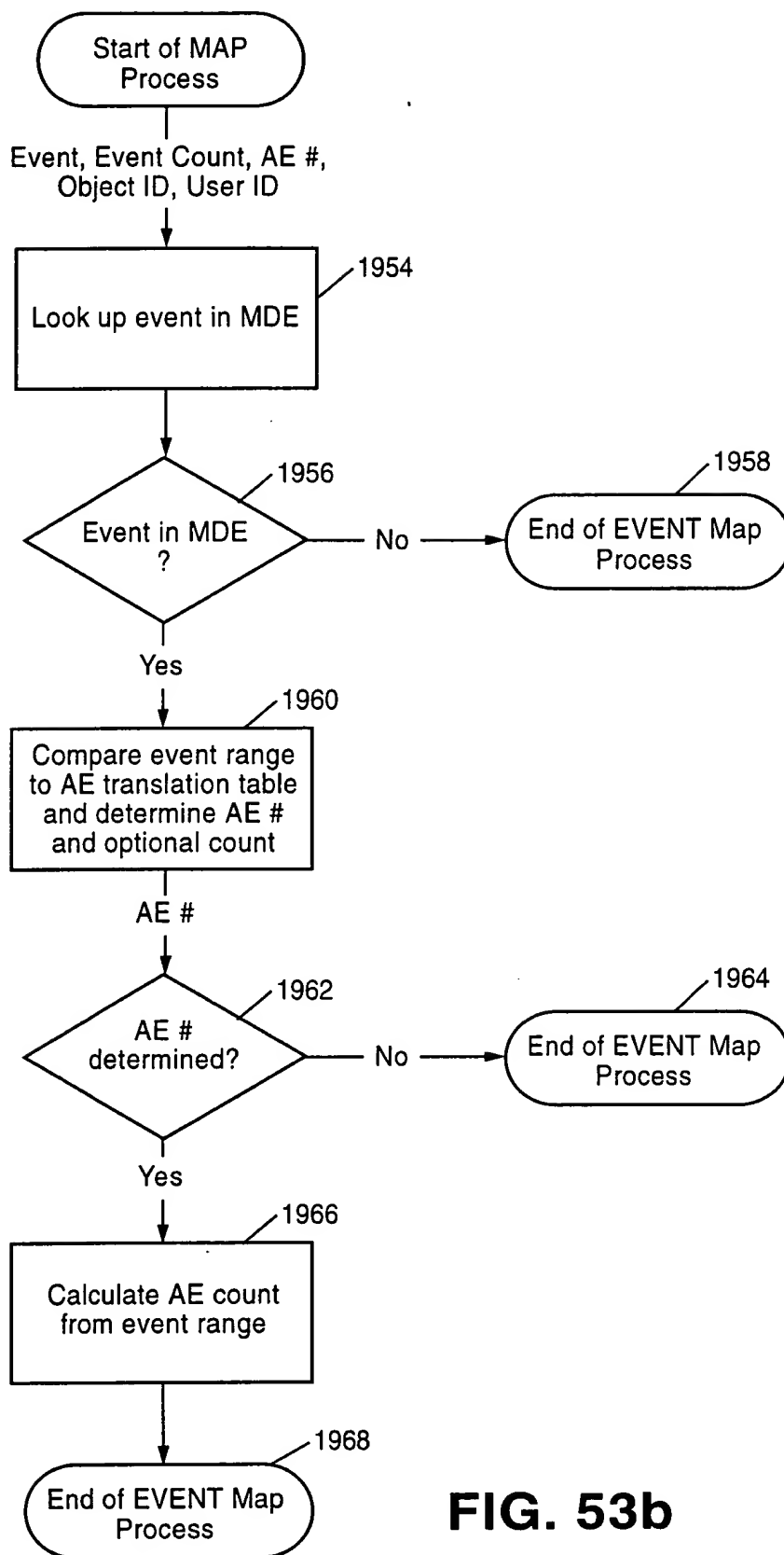


FIG. 53b

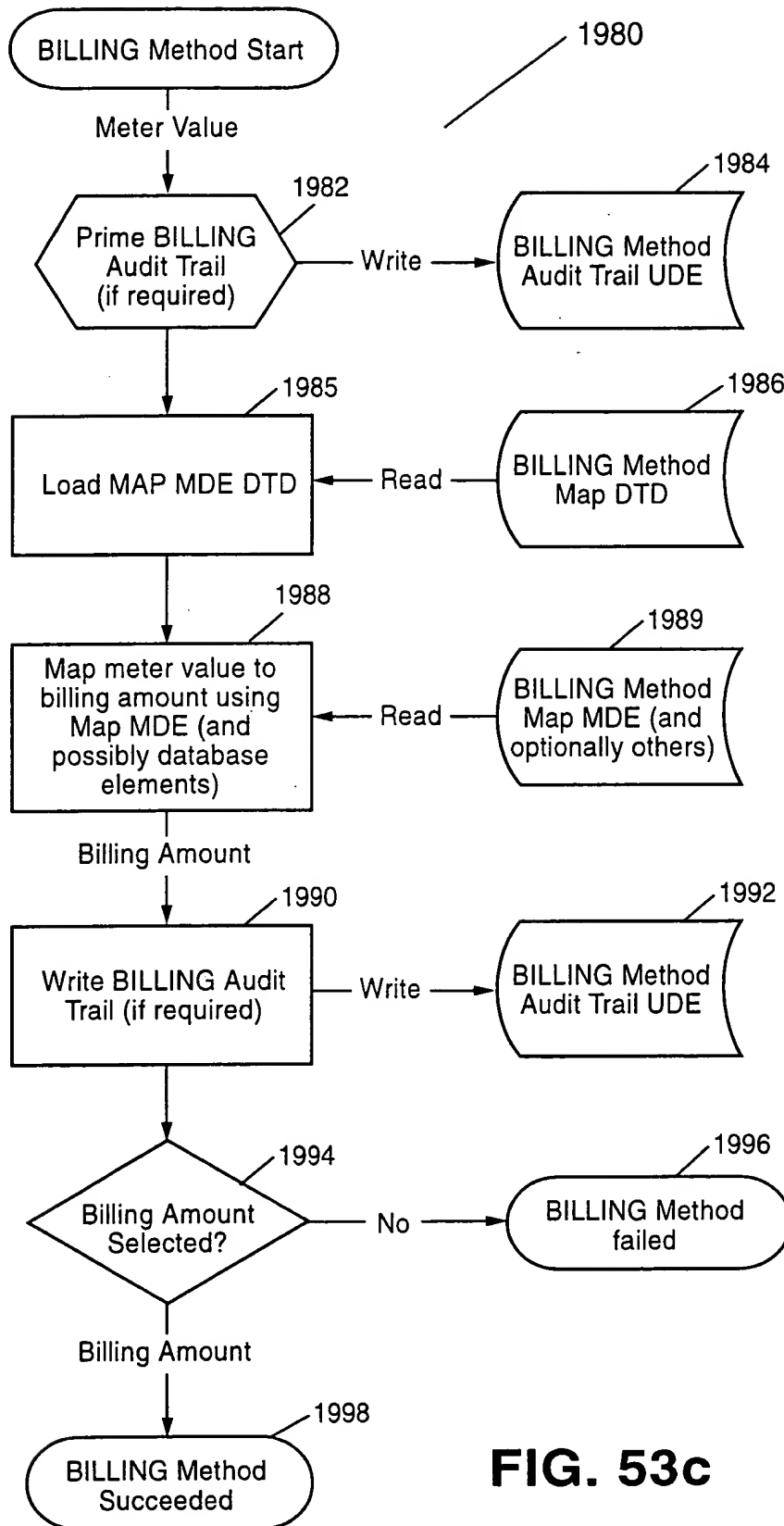


FIG. 53c

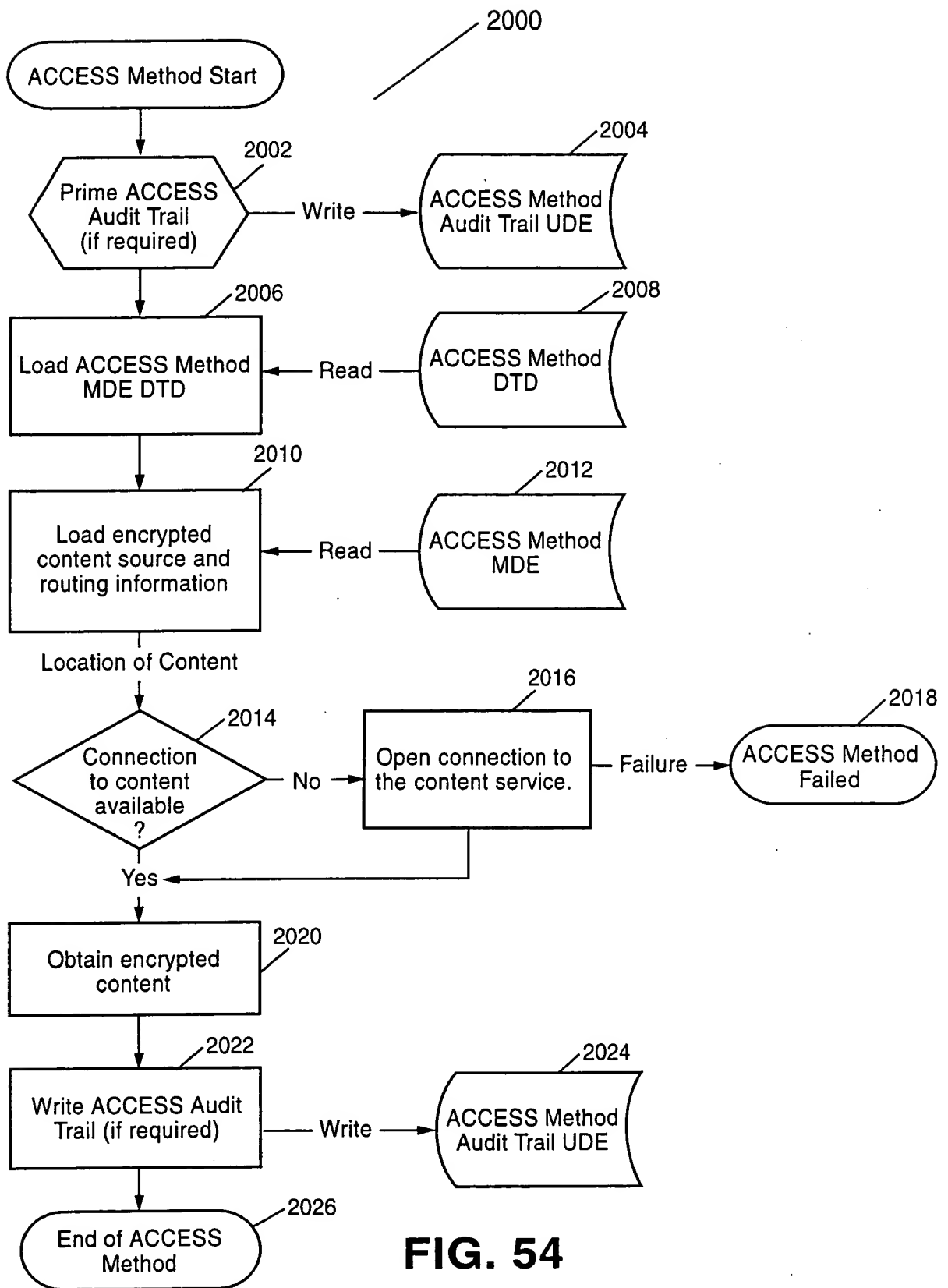


FIG. 54

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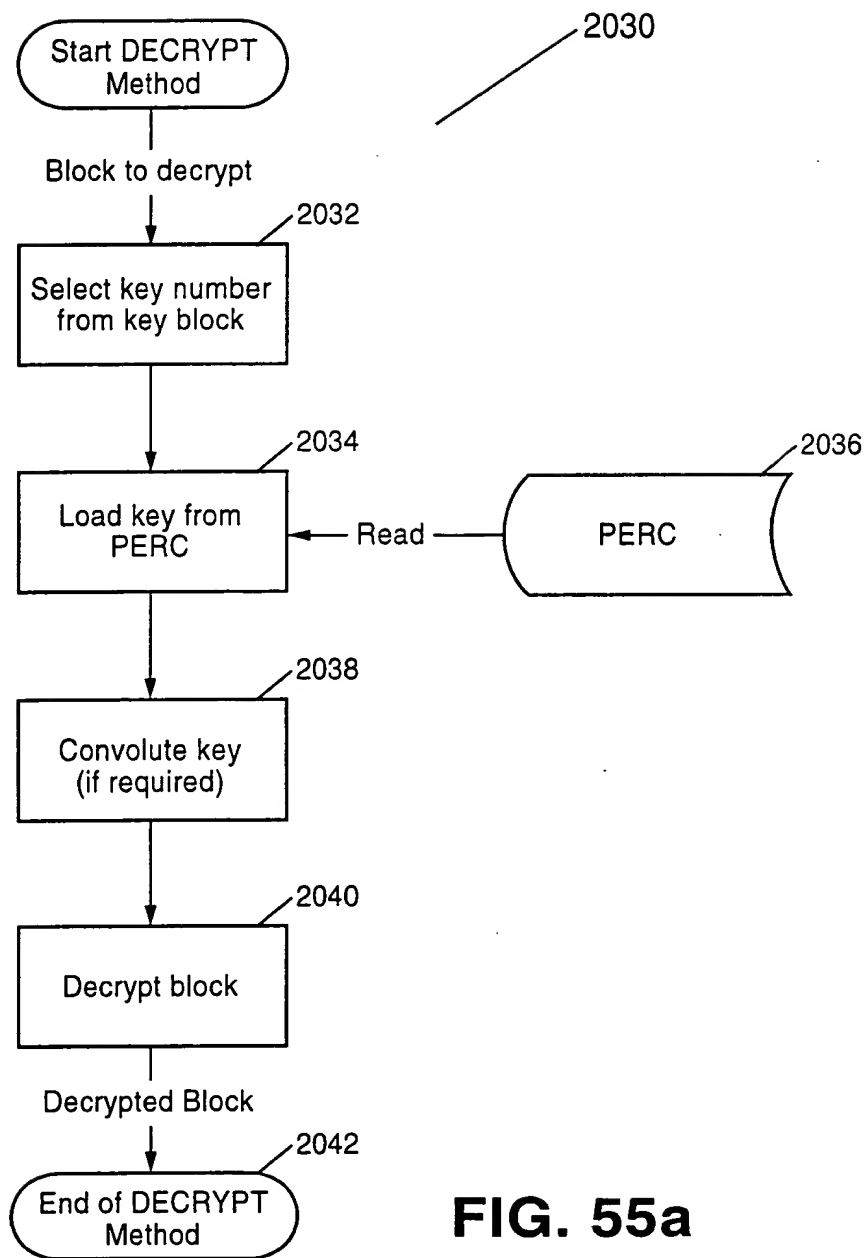


FIG. 55a

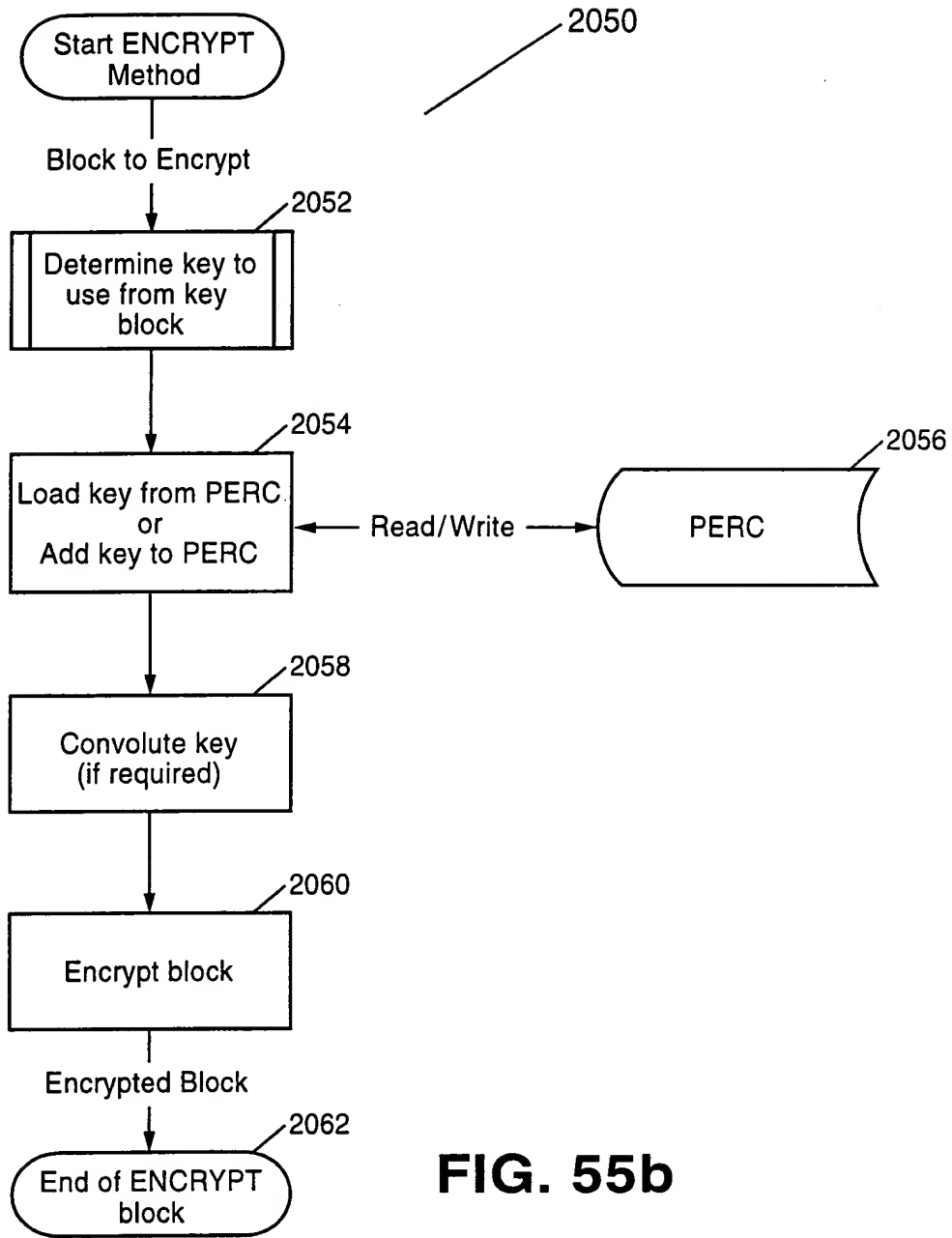


FIG. 55b

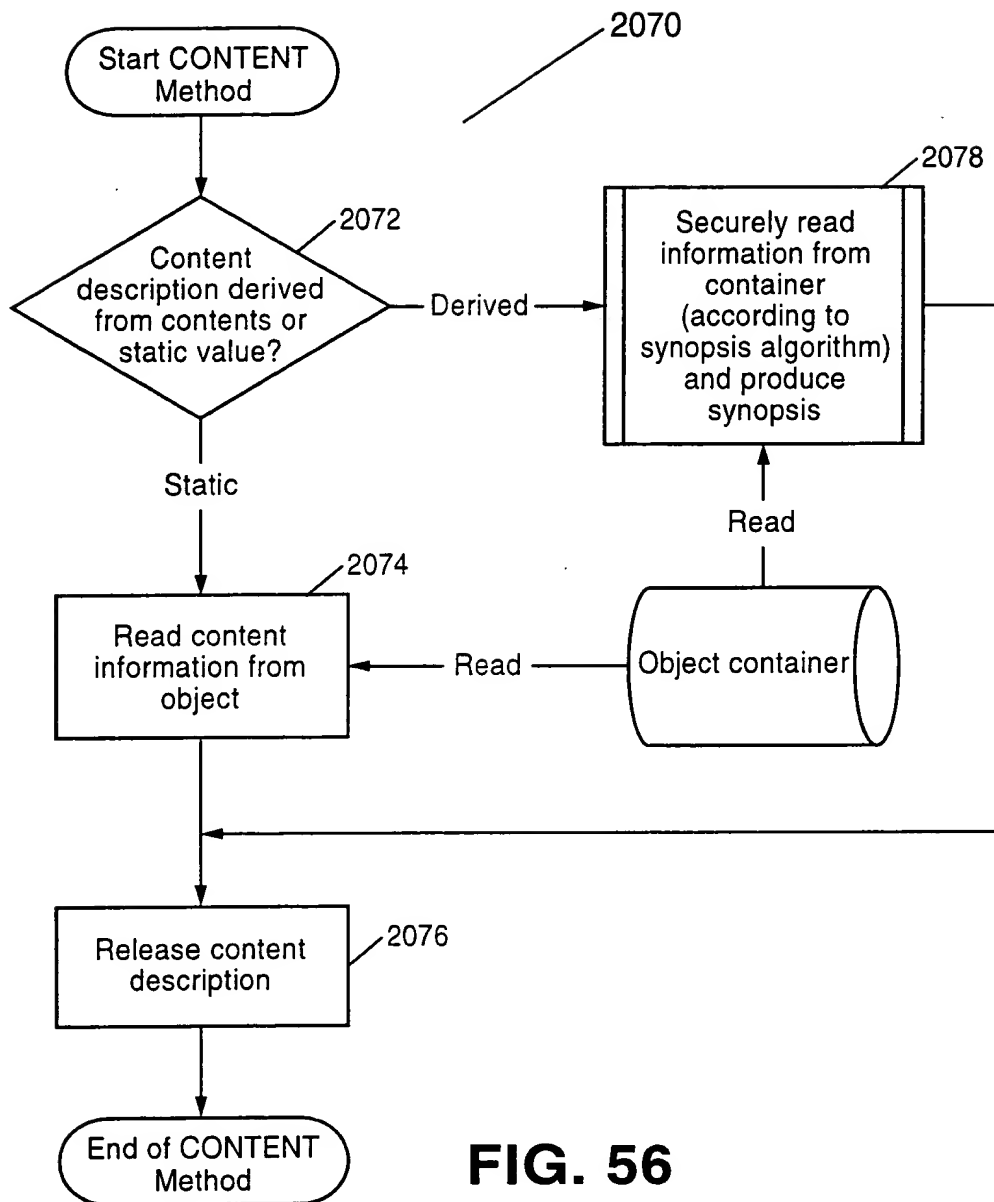


FIG. 56

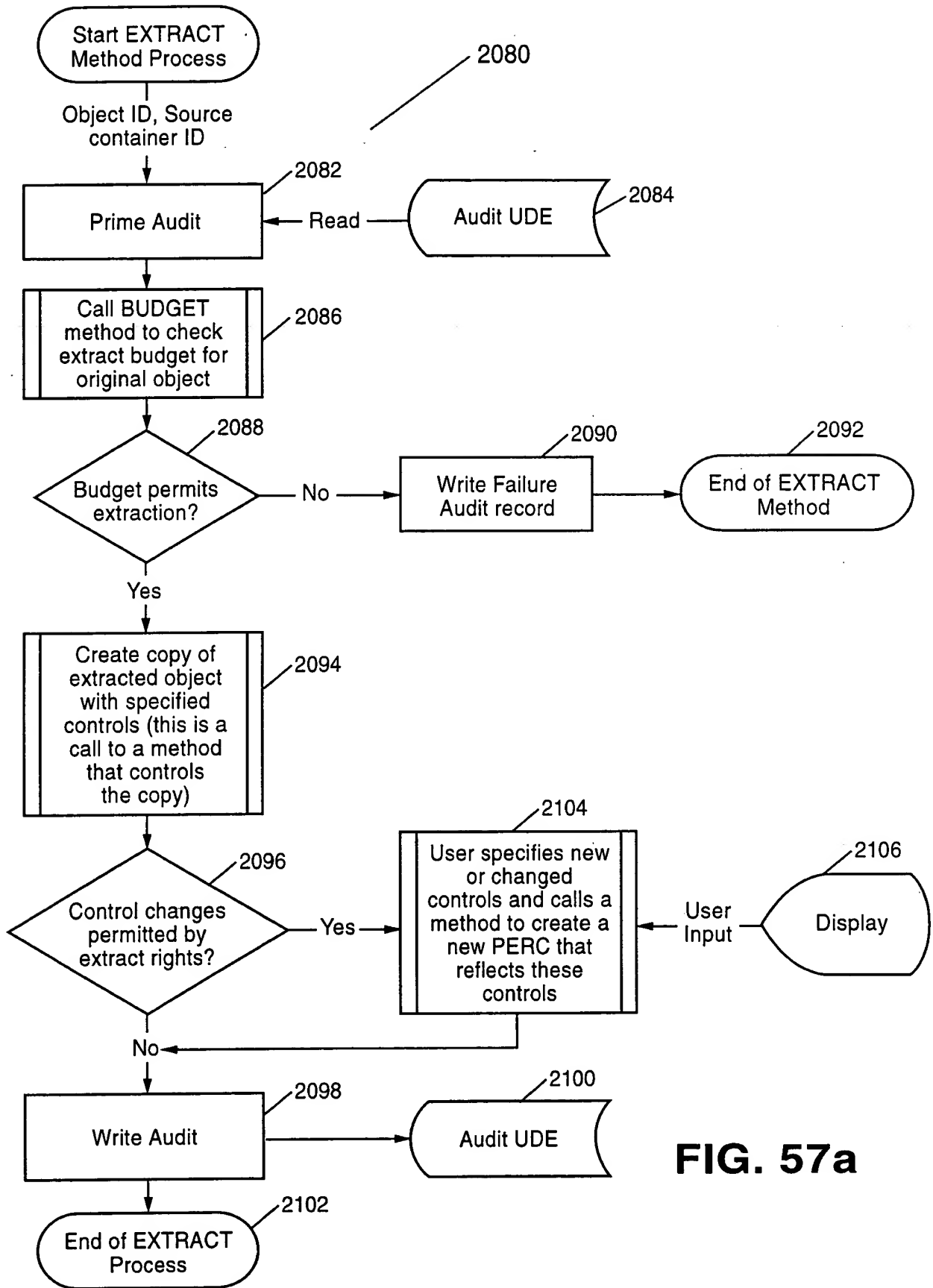


FIG. 57a

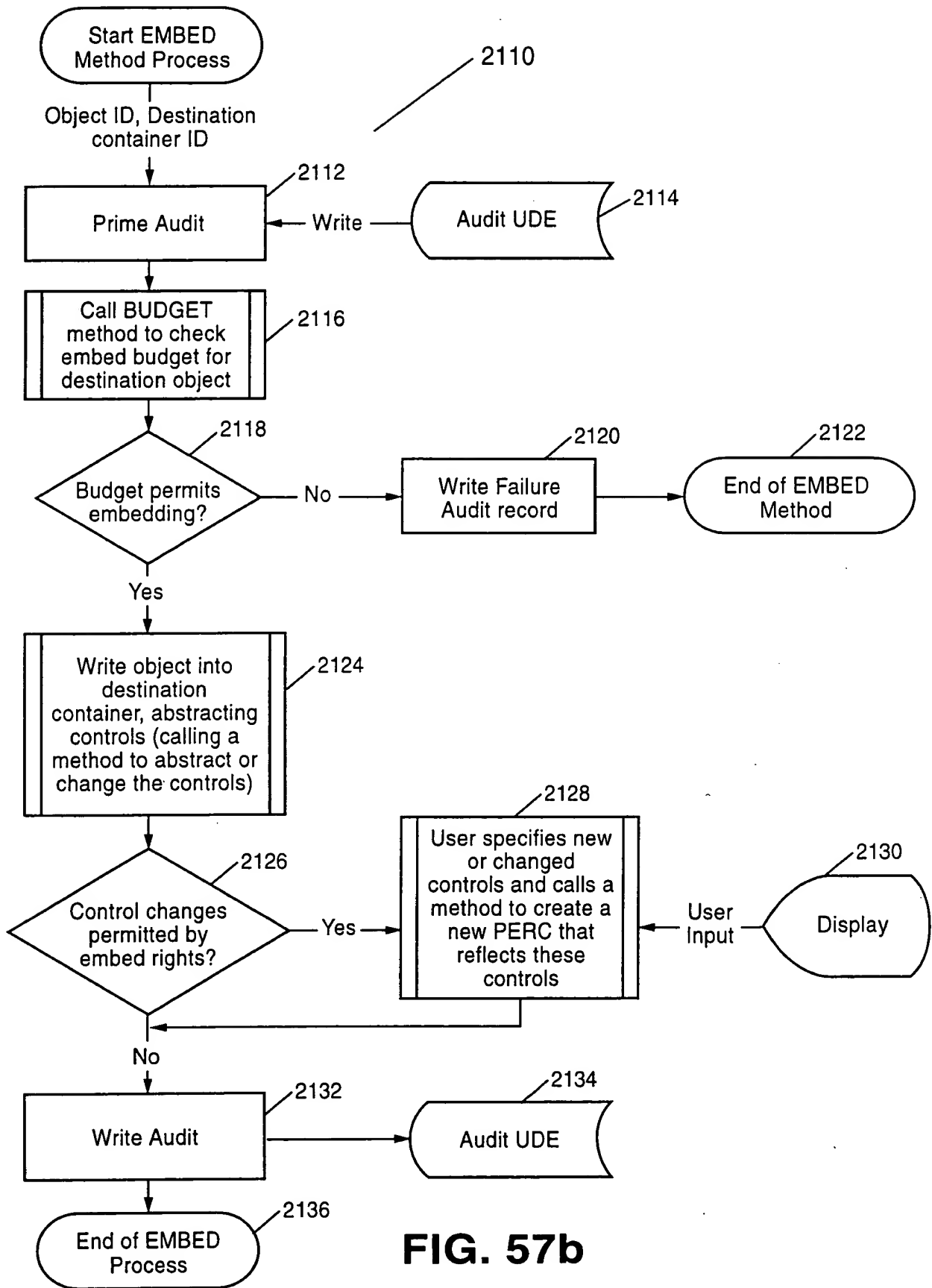


FIG. 57b

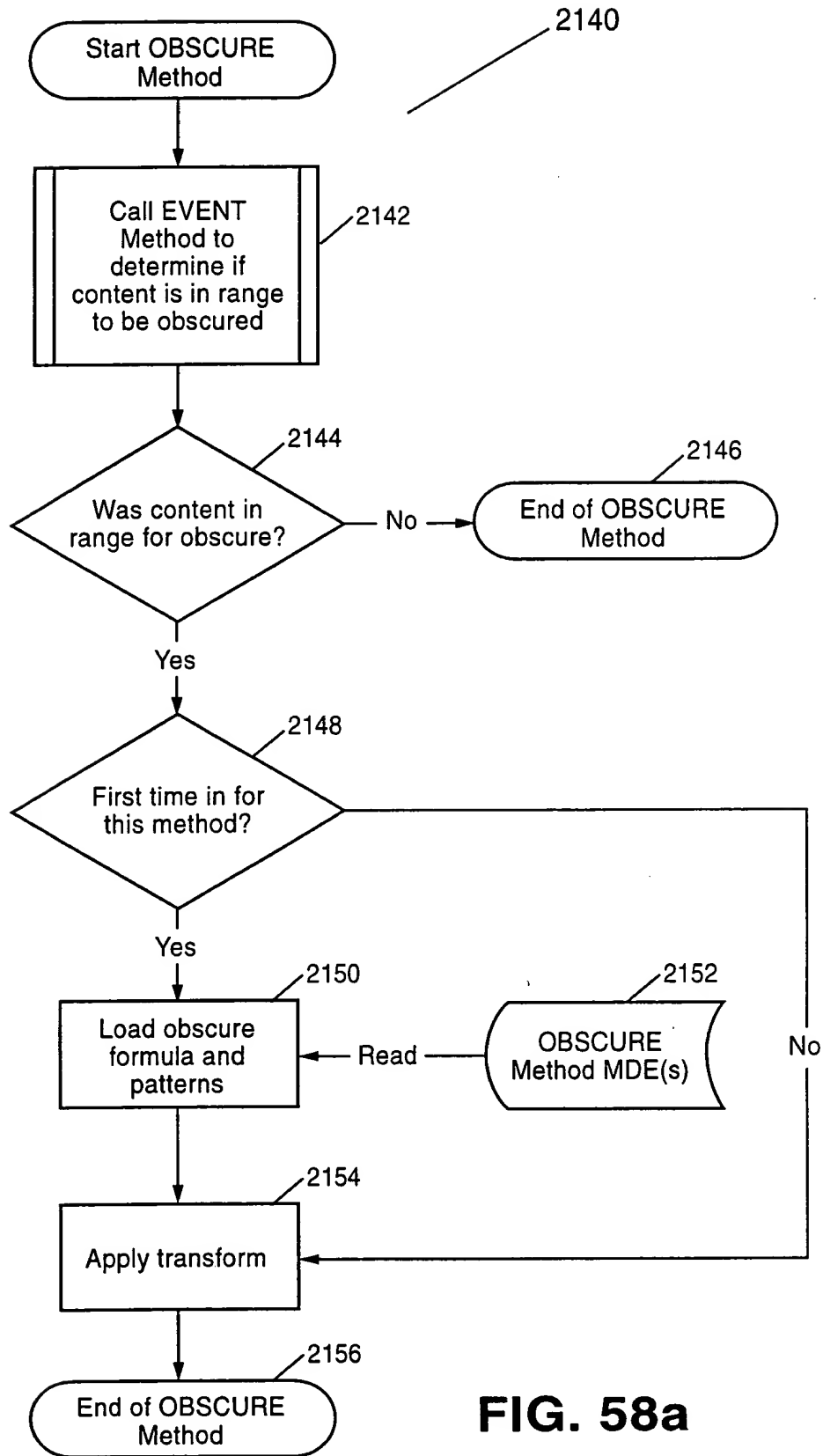


FIG. 58a

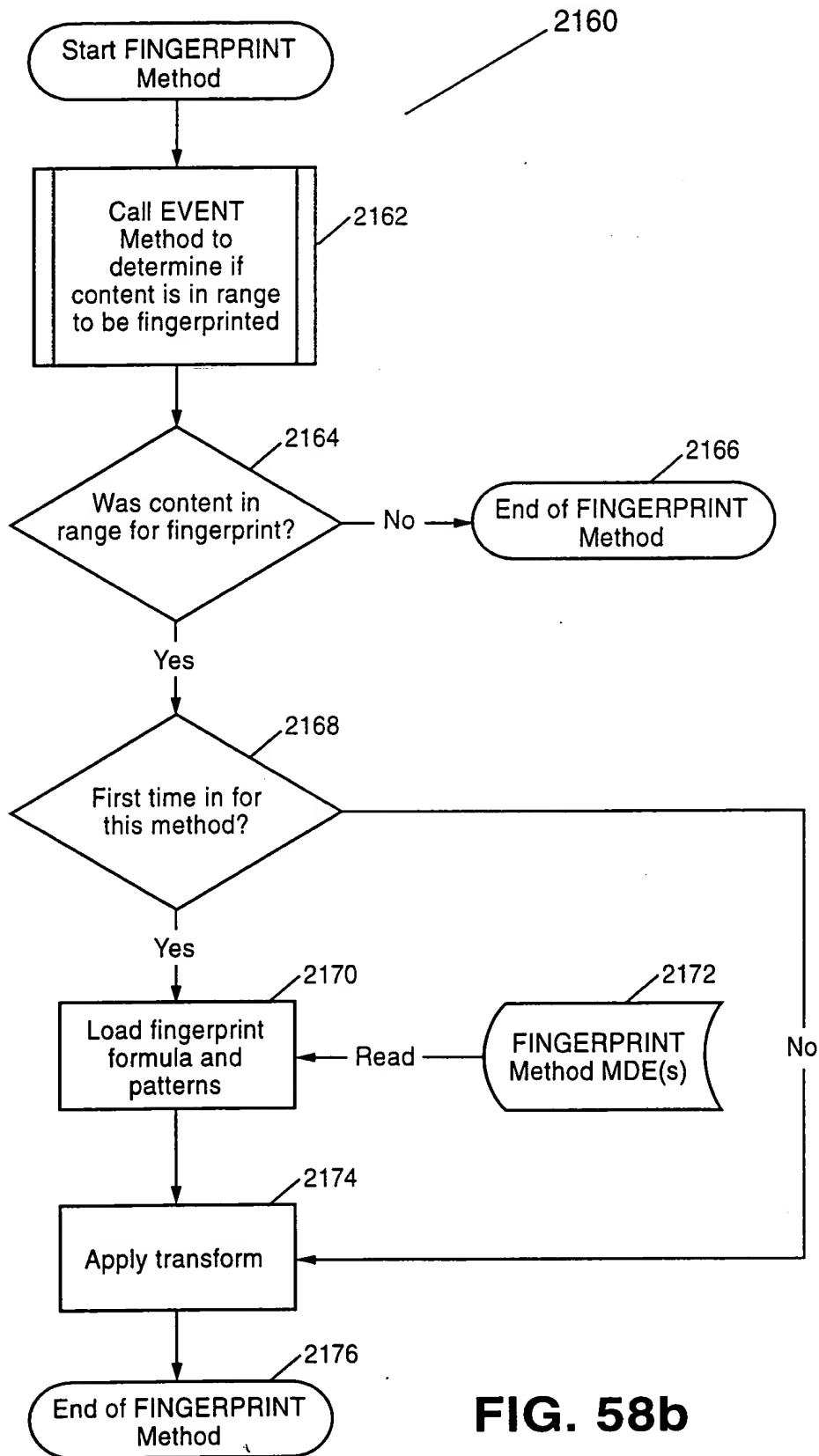


FIG. 58b

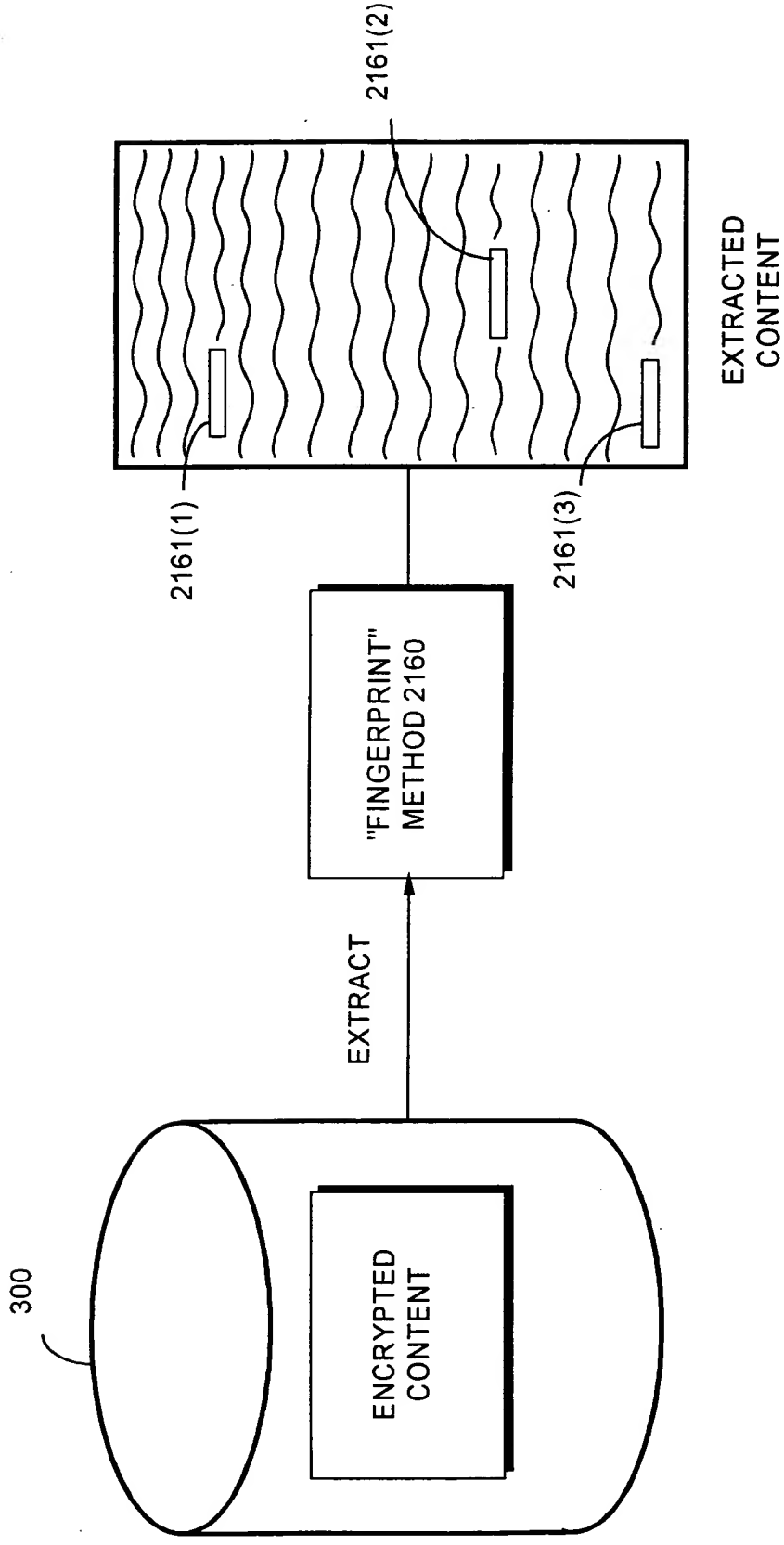


FIG. 58C

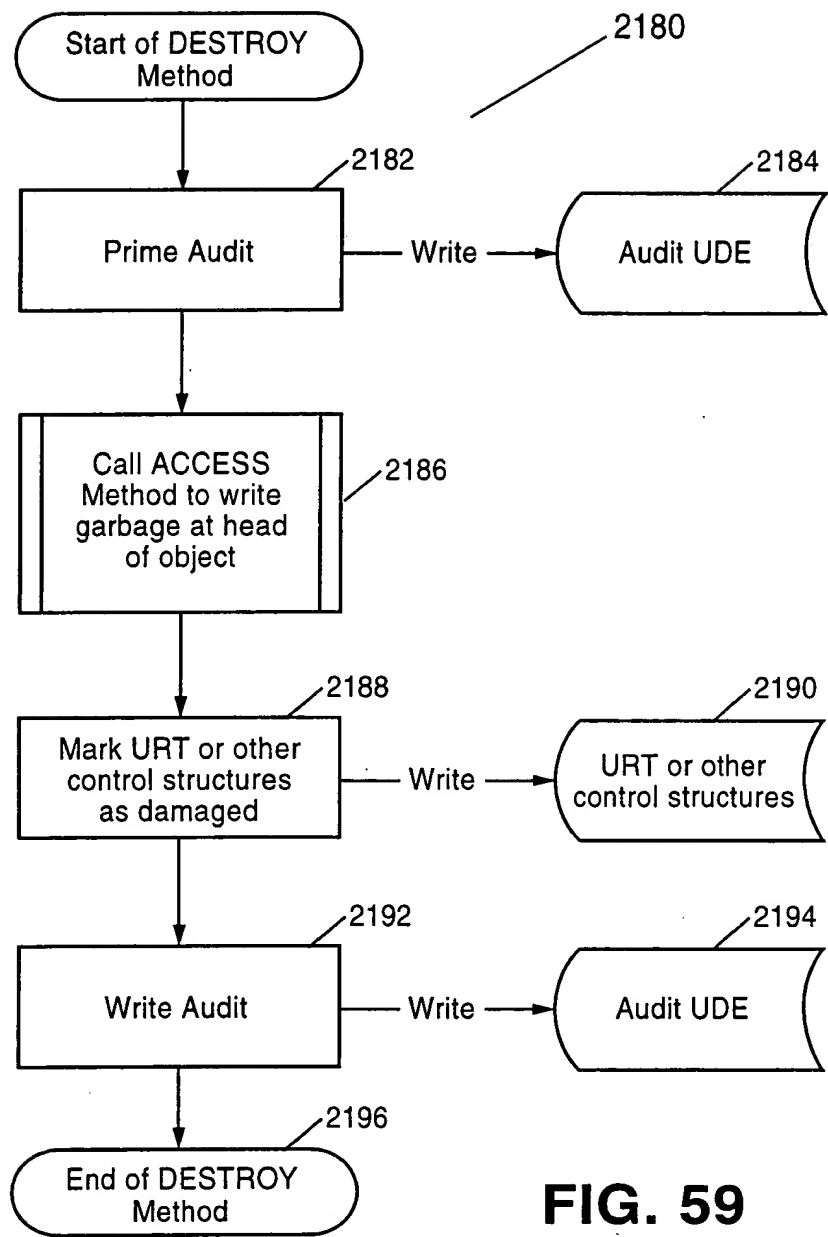


FIG. 59

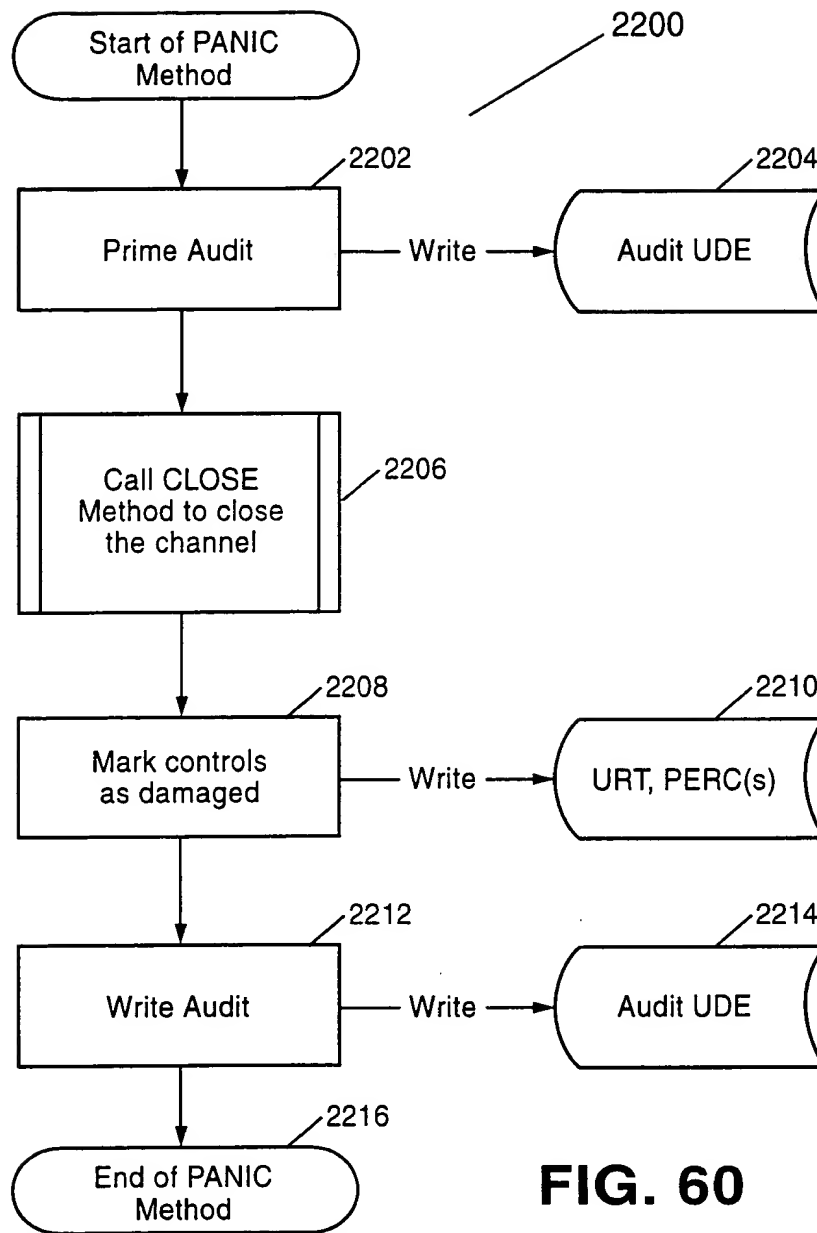


FIG. 60

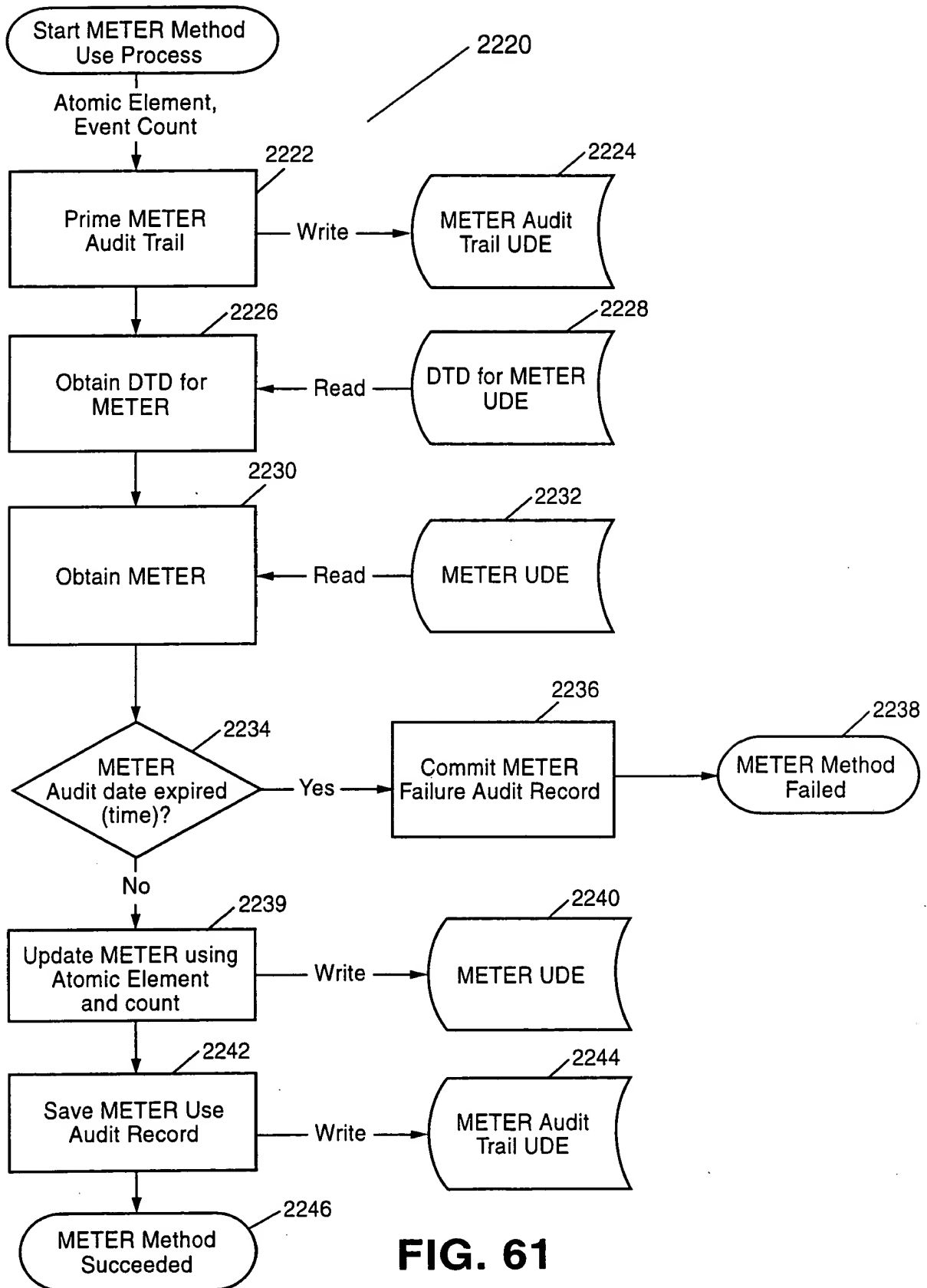
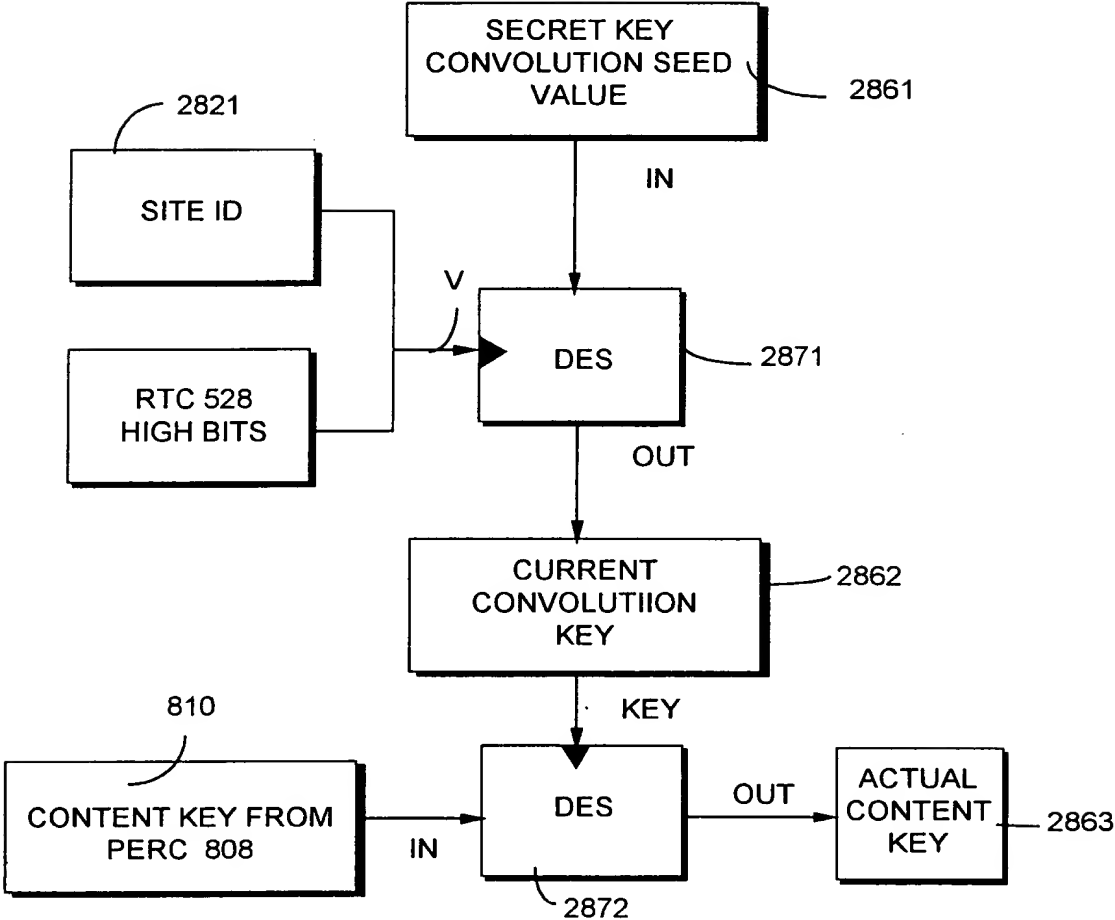


FIG. 61

FIG. 62



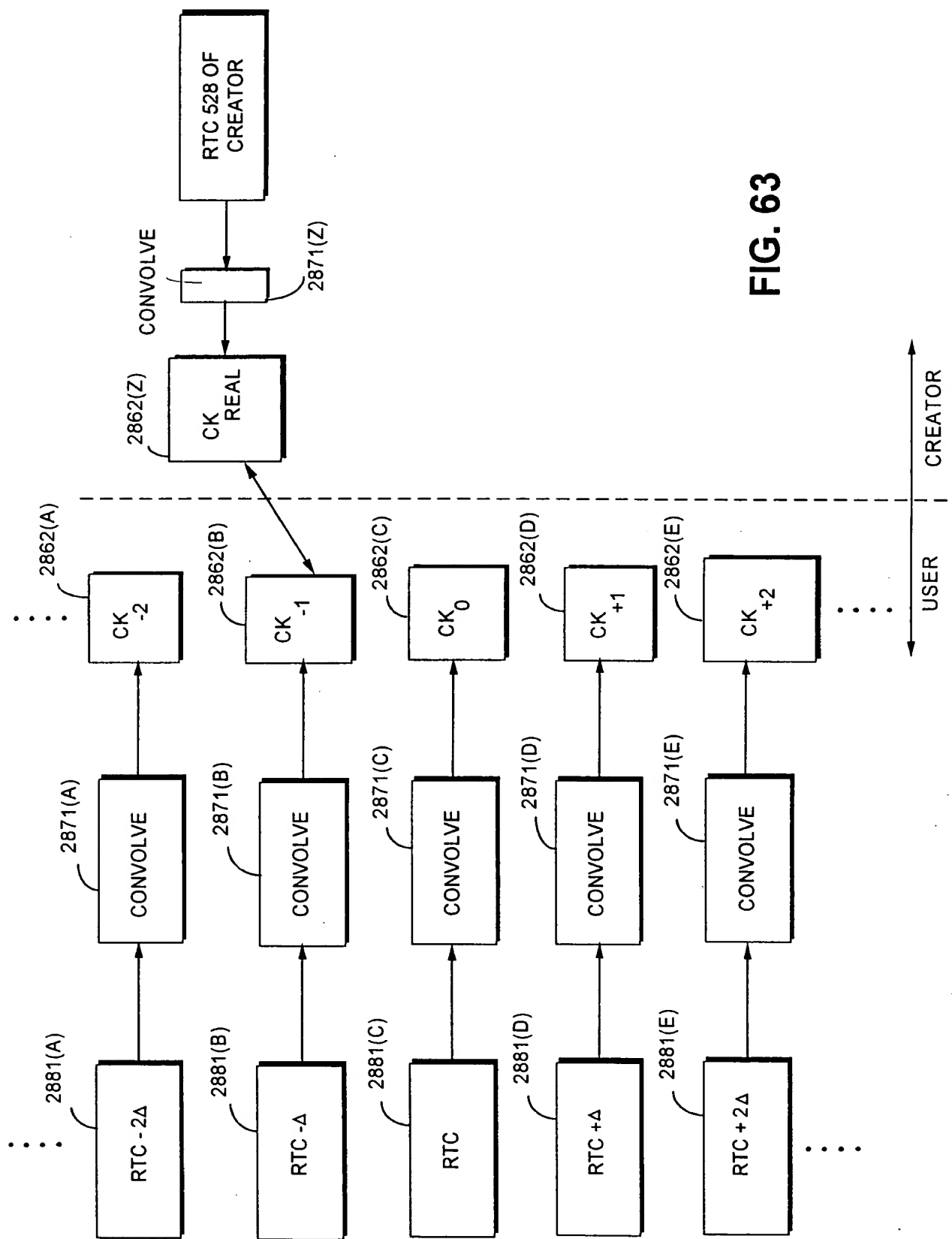


FIG. 63

FIG. 64

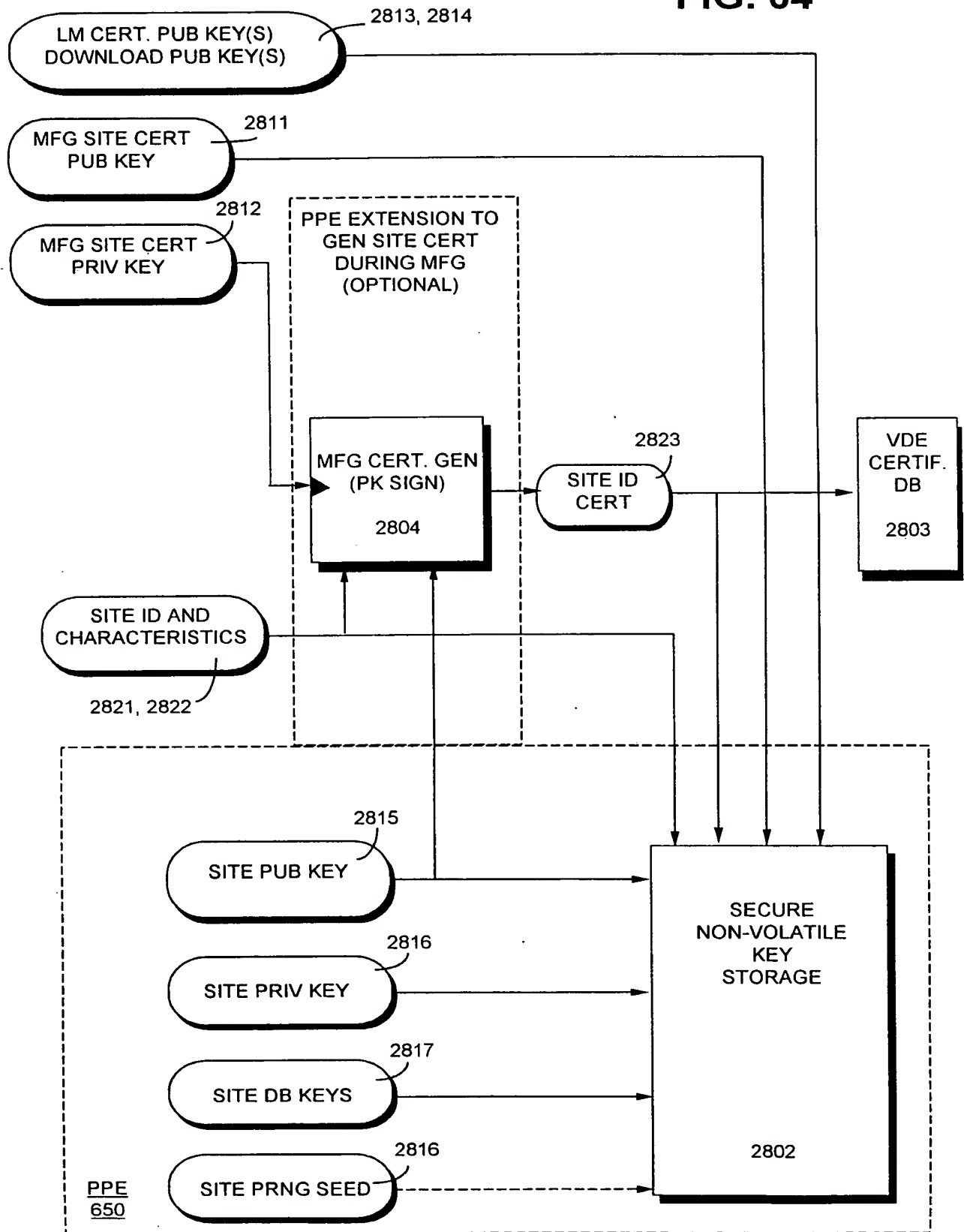


FIG. 65

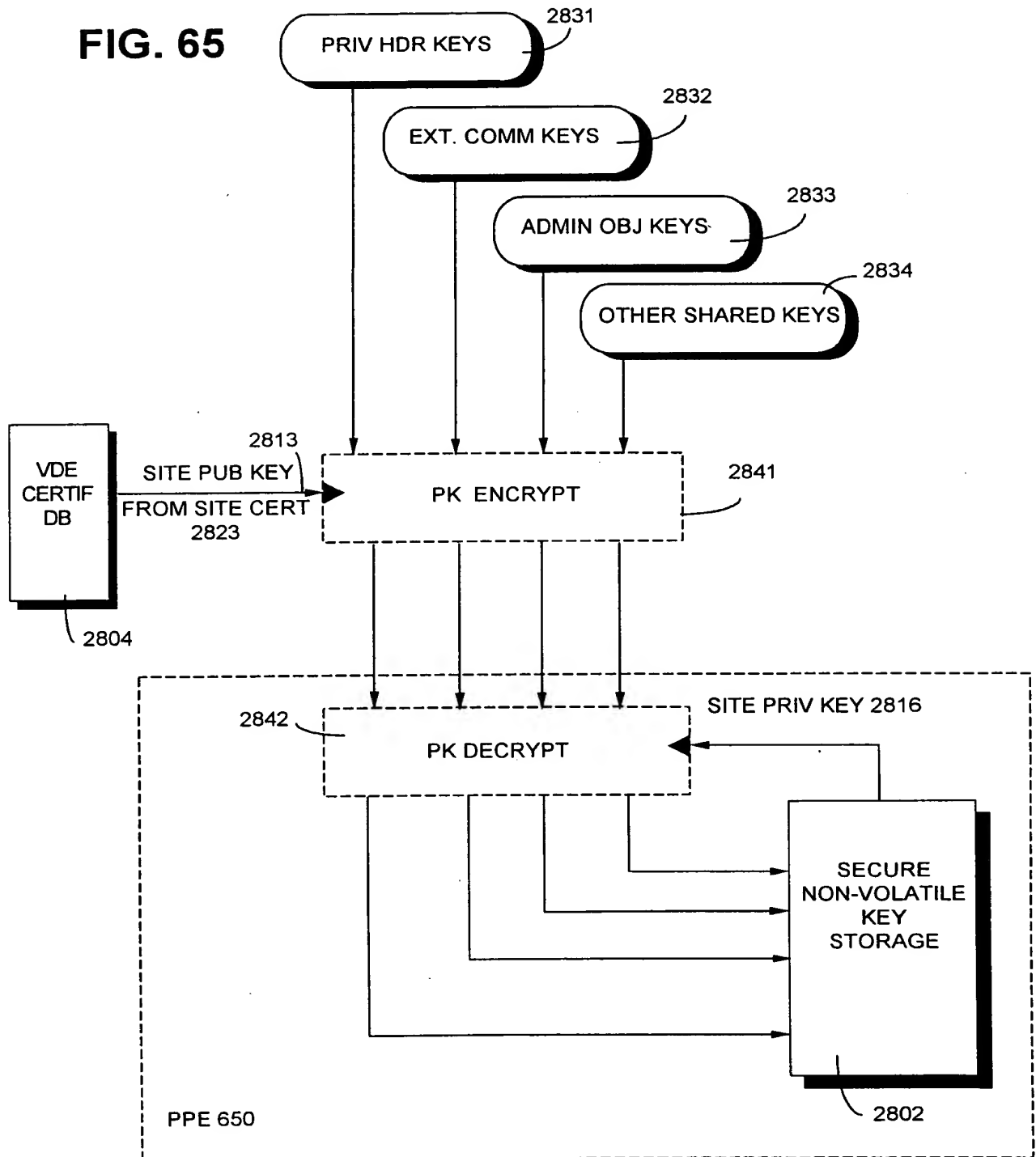
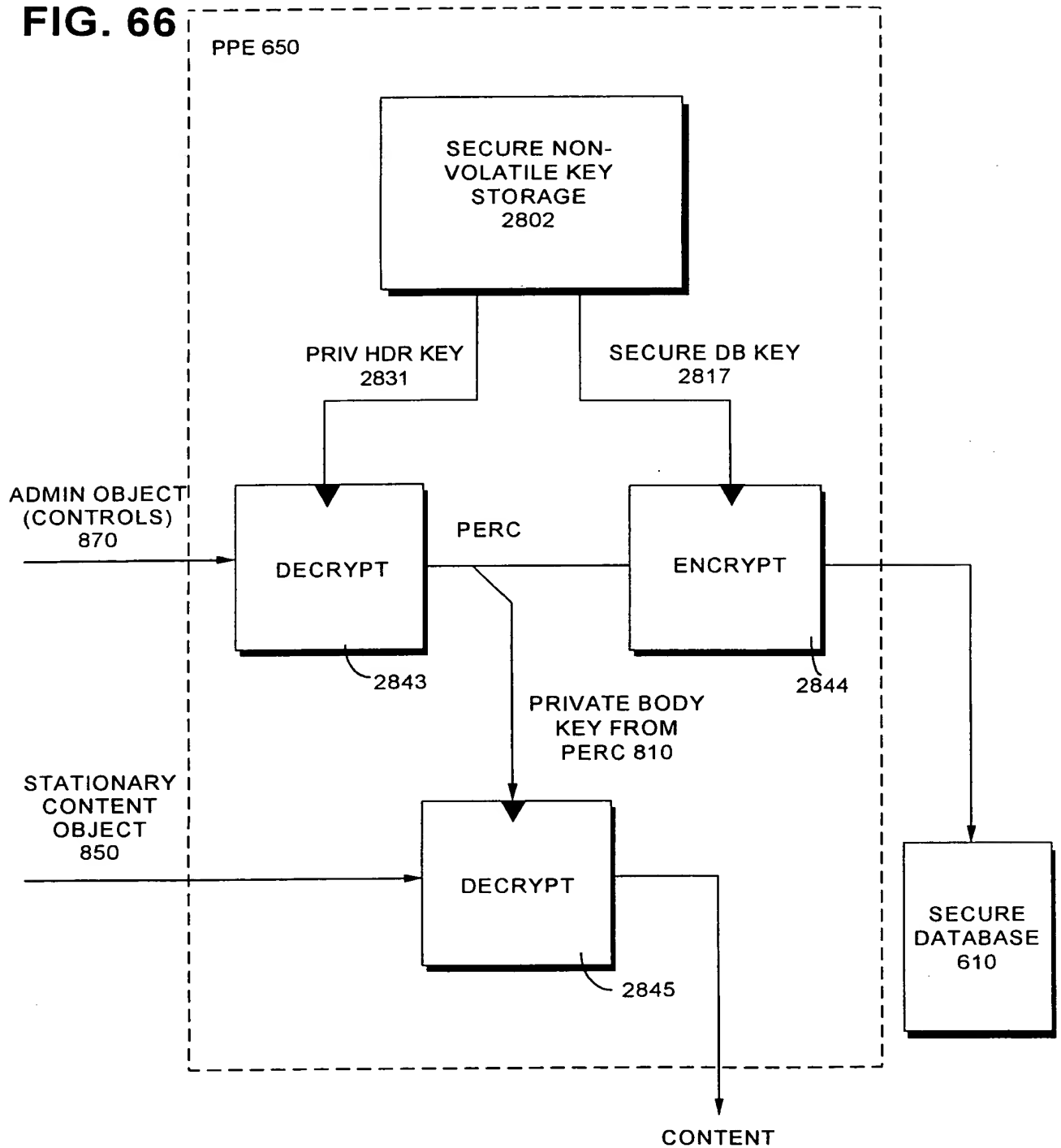


FIG. 66



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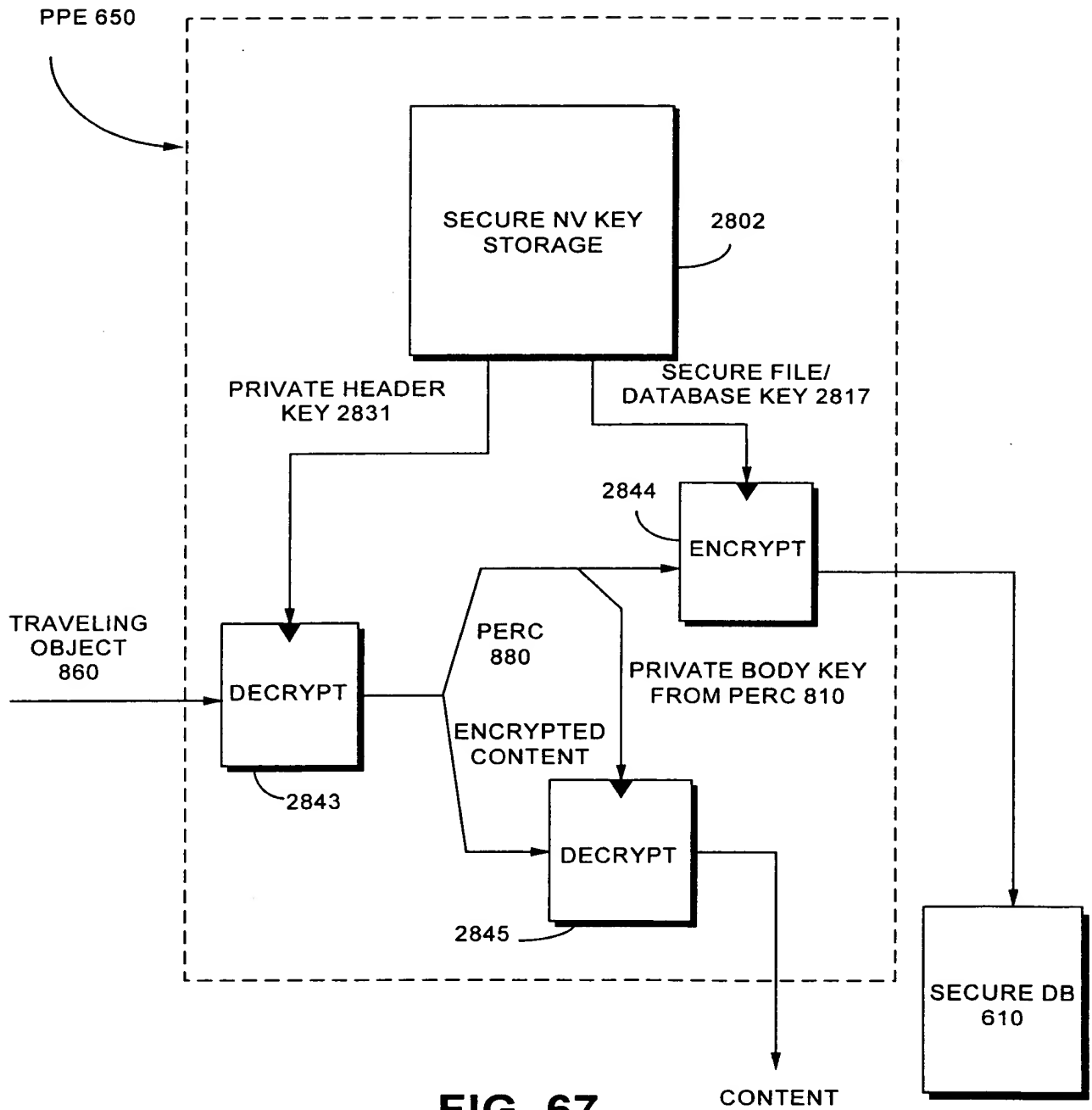


FIG. 68

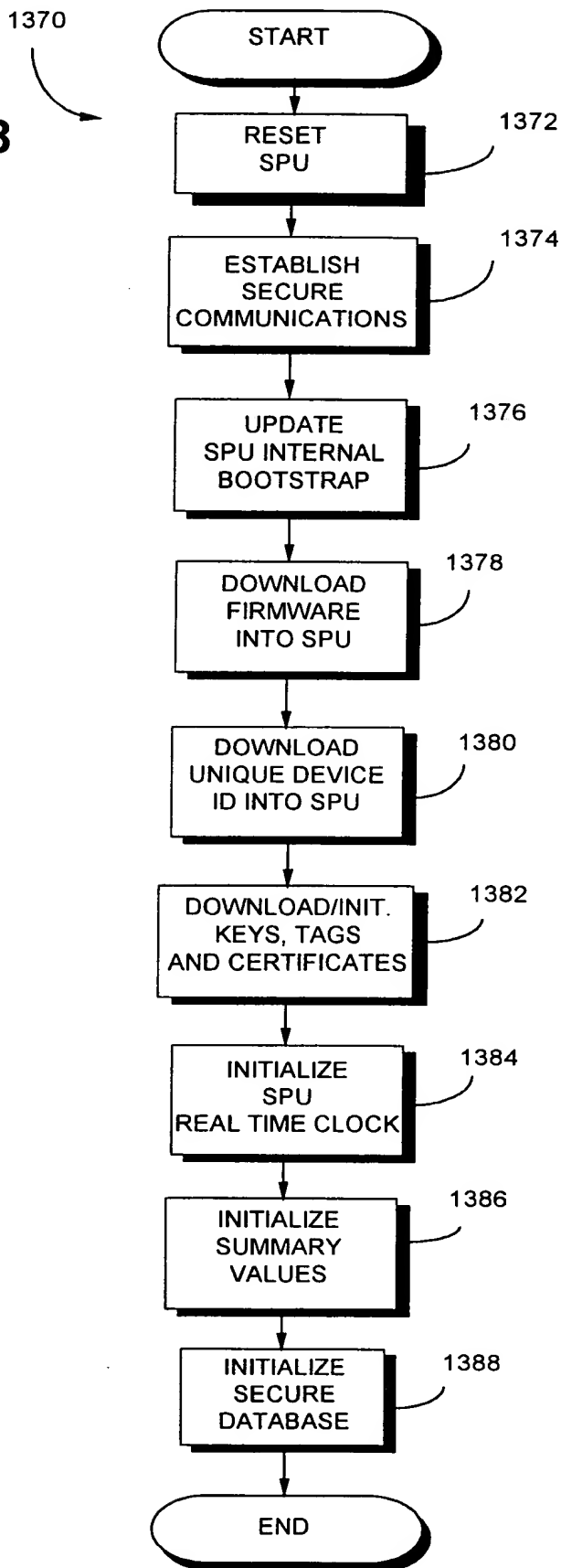
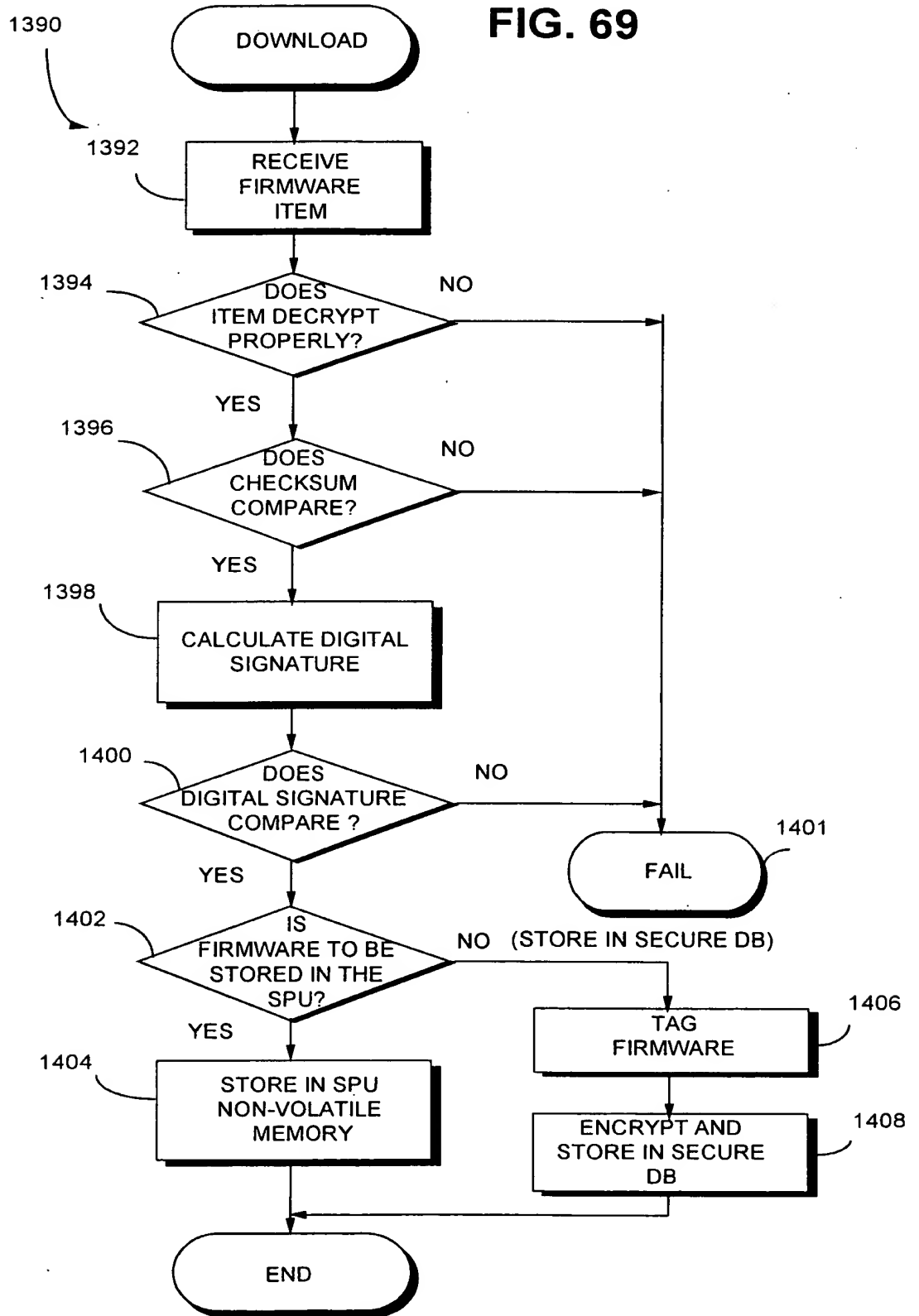


FIG. 69



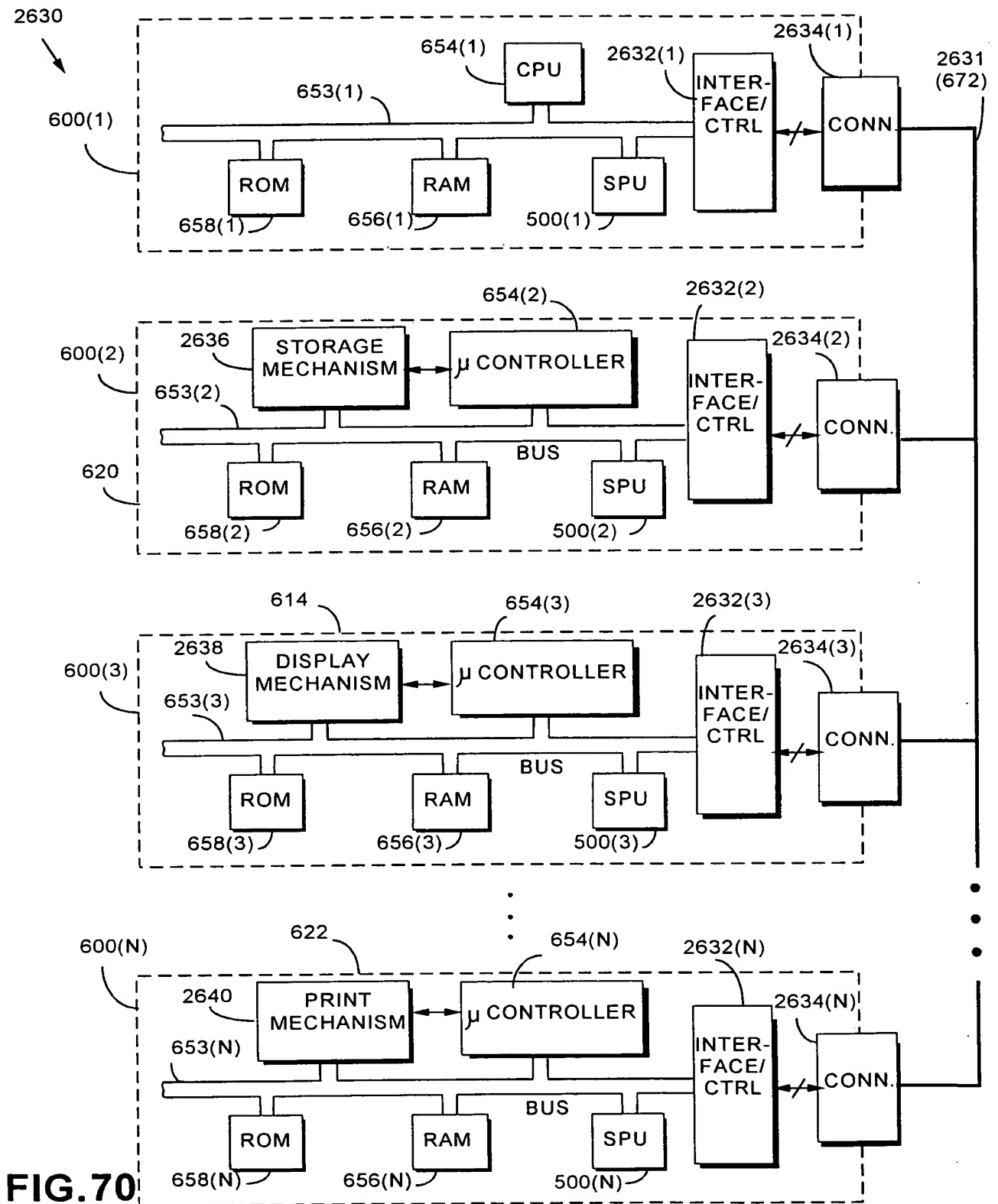
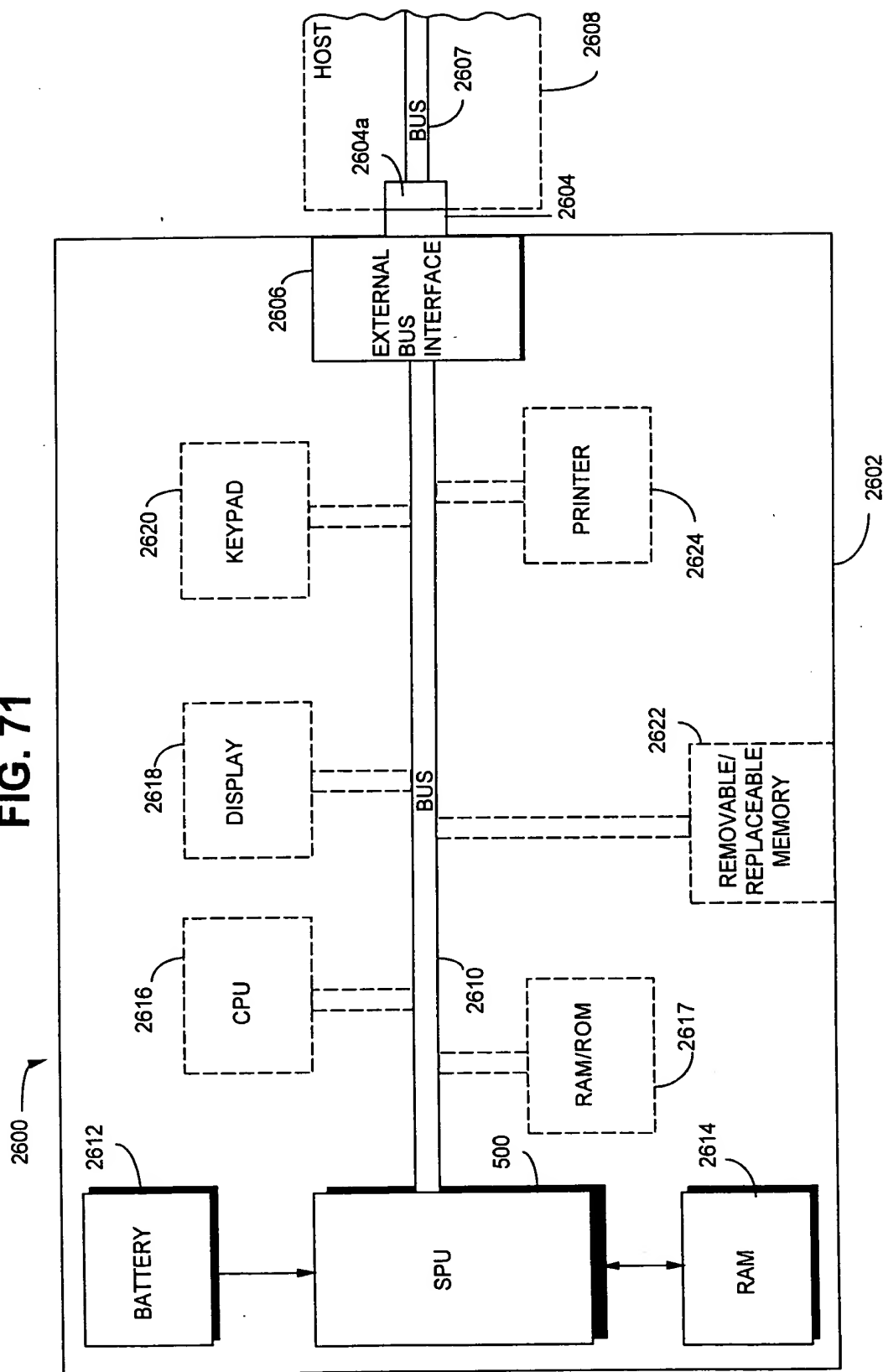


FIG. 70

FIG. 71



LOG IN USER INTERFACE

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A login interface window with a title bar. It contains two input fields: 'USER NAME:' with the text 'SHEAR, V.' and 'PASSWORD:' with five asterisks. To the right of these fields are three buttons: 'LOGIN', 'CANCEL', and 'HELP'. At the bottom left, there is a checkbox labeled 'LOGIN AT STARTUP'.

FIG. 72A

FIG. 72B

A confirmation window titled 'YOU HAVE REQUESTED THESE PROPERTIES:'. It features a warning icon (triangle with an exclamation mark) on the left. The main text is 'LOONEY TUNES NEWS!'. Below this, there is a 'PROPERTY INFO' button. To the right of the main text are two buttons: 'APPROVE' and 'SUSPEND'. At the bottom, it displays 'Your Cost: \$7.50' and 'MORE OPTIONS' with a right-pointing arrow. The window has a title bar and a standard OS-style border.

FIG. 72C

SET LIMITS:

SESSION DOLLAR LIMIT: \$

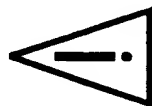
TRANSACTION DOLLAR LIMIT: \$

TIME LIMIT (IN MINUTES):

UNIT LIMIT:

2666 2674

FIG. 72D



YOU HAVE REQUESTED THESE PROPERTIES:

CANCEL

LOONEY TUNE NEWS!

APPROVE

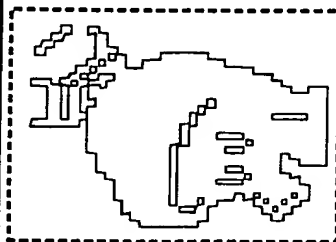
SUSPEND

PROPERTY INFO

YOUR COST : \$7.50



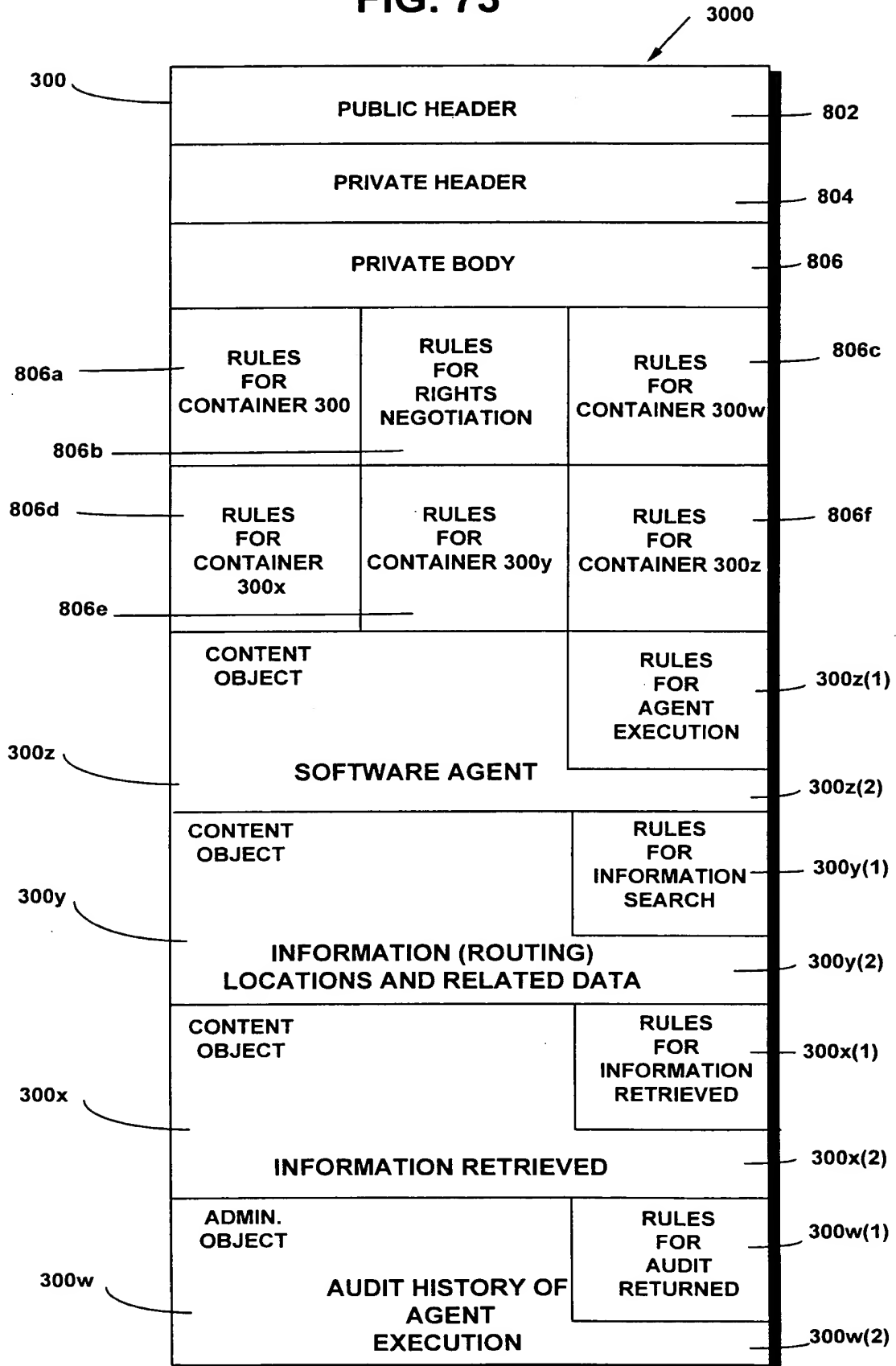
More Options



Show Thumbnail

PROPERTY:	SIZE:	PUBLISHER:	AMOUNT:	UNITS:	COST/UNIT:	TYPE:	USE?:	LINKS:	HIST:
CHUCK JONES BIOGRA...	256KB	WARNER NEW MEDIA	64	KBYTE	\$1.25	PREVIEW	✓	●	
▼ BUGS BUNNY.JPE...	1MB	WARNER NEW MEDIA	1	RECORD	\$5.00	DISPLAY	✓	●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	10	RECORD	\$3.50	DISPLAY		●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	25	RECORD	\$2.50	DISPLAY		●	
FRIZ FRELENG BIOGRA...	256KB	WARNER NEW MEDIA	120	SECTOR	\$5.00	PRINT		●	
TEX AVERY BIOGRAP...	256KB	WARNER NEW MEDIA	50	PERCENT	\$2.50	COPY		●	
► DUCKI RABBITI DU...	64MB	WARNER NEW MEDIA	7.0	MINUTE	\$7.50	COPY-PRO		●	
MEL BLANC BIOGRAPH...	256KB	WARNER NEW MEDIA	1	SPECIAL	\$25.25	INSTALL		●	
LOONEY TUNES DATAB...	600MB	WARNER NEW MEDIA	1	OBJECT	\$2000.00	ALL		●	
SET LIMITS...	SHOW BUDGETS	ACQUIRE BUDGET...	HISTORY...	TRANSFER...	PREFERENCES...	FEEDBACK...	HELP!		

FIG. 73



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FIG. 74

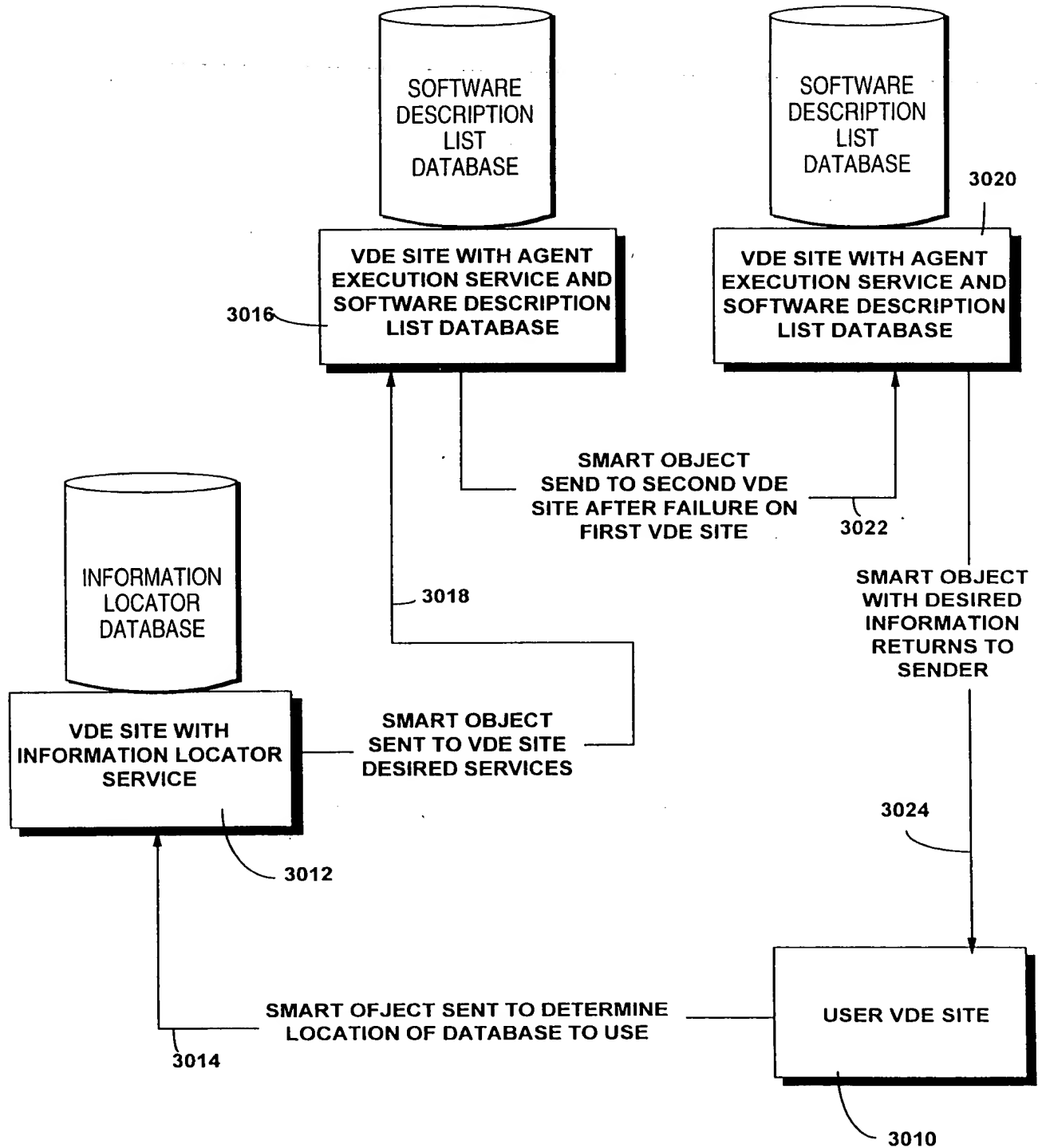


FIG. 75A

PERC HEADER		CSO		PRIVATE BODY KEYS	
USE RIGHT HDR		CSR		KEYS	
PERMITTED CONTROL SET (USE W/O INFO. PASSBACK)		CONTROL METHOD (VENDING)			
REQUIRED METHOD, BUDGET					
METHOD OPTION: VISA		METHOD OPTION: MASTERCARD		METHOD OPTION: AMEX	
REQUIRED METHOD, BILLING (\$100 FIXED, ONE TIME)					
DESIRED CONTROL SET (USE WITH INFO. PASSBACK)		CONTROL METHOD (VENDING WITH "RESPONSE CARD")			
REQUIRED METHOD, BUDGET					
METHOD OPTION: VISA		METHOD OPTION: MASTERCARD		METHOD OPTION: AMEX	
REQUIRED METHOD, AUDIT (COLLECTION PERSONAL INFORMATION)					
REQUIRED FIELDS		DESIRED FIELDS			
REQUIRED METHOD, BILLING (\$25 FIXED, ONE TIME)					

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FIG. 75B

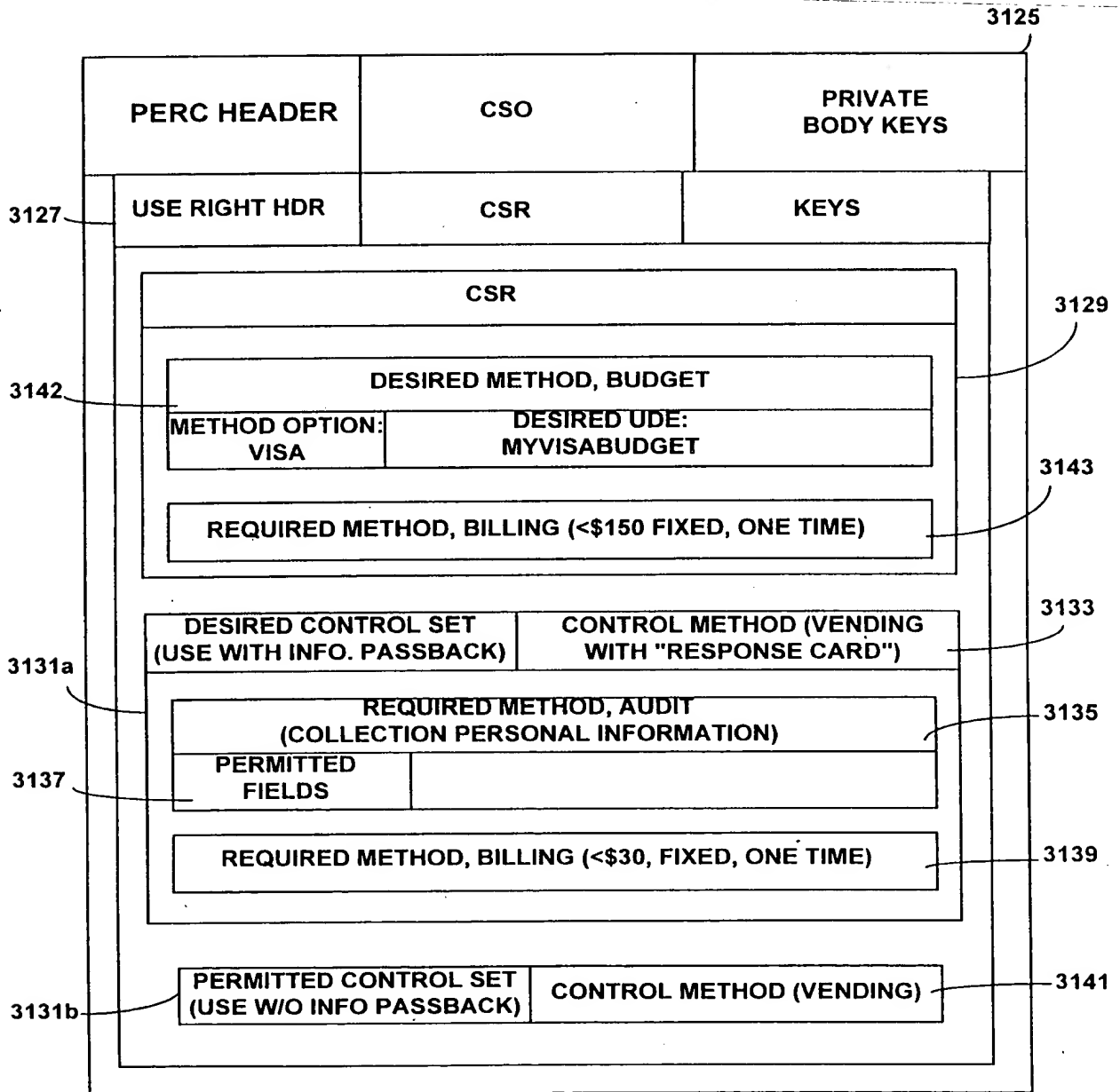


FIG. 75C

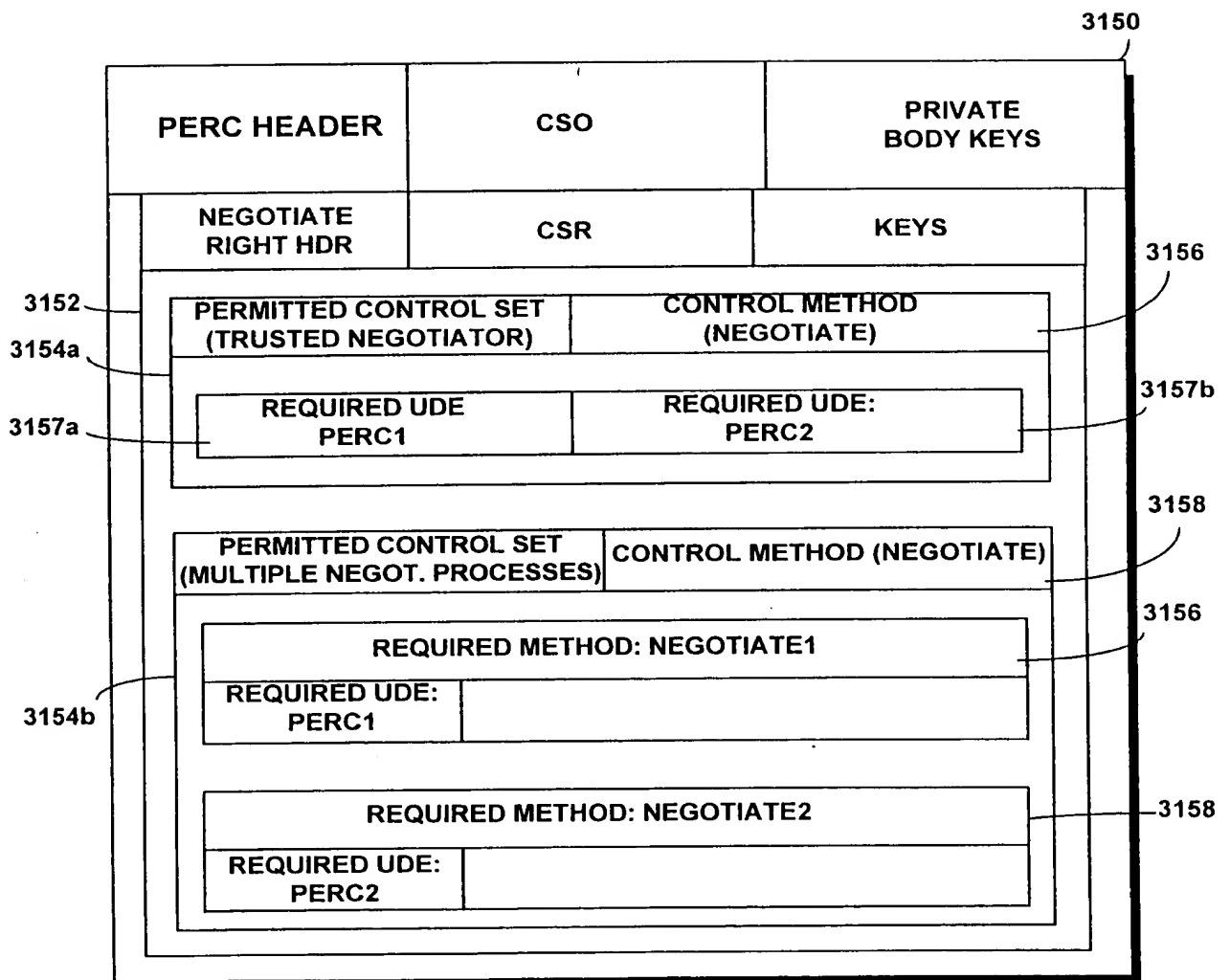
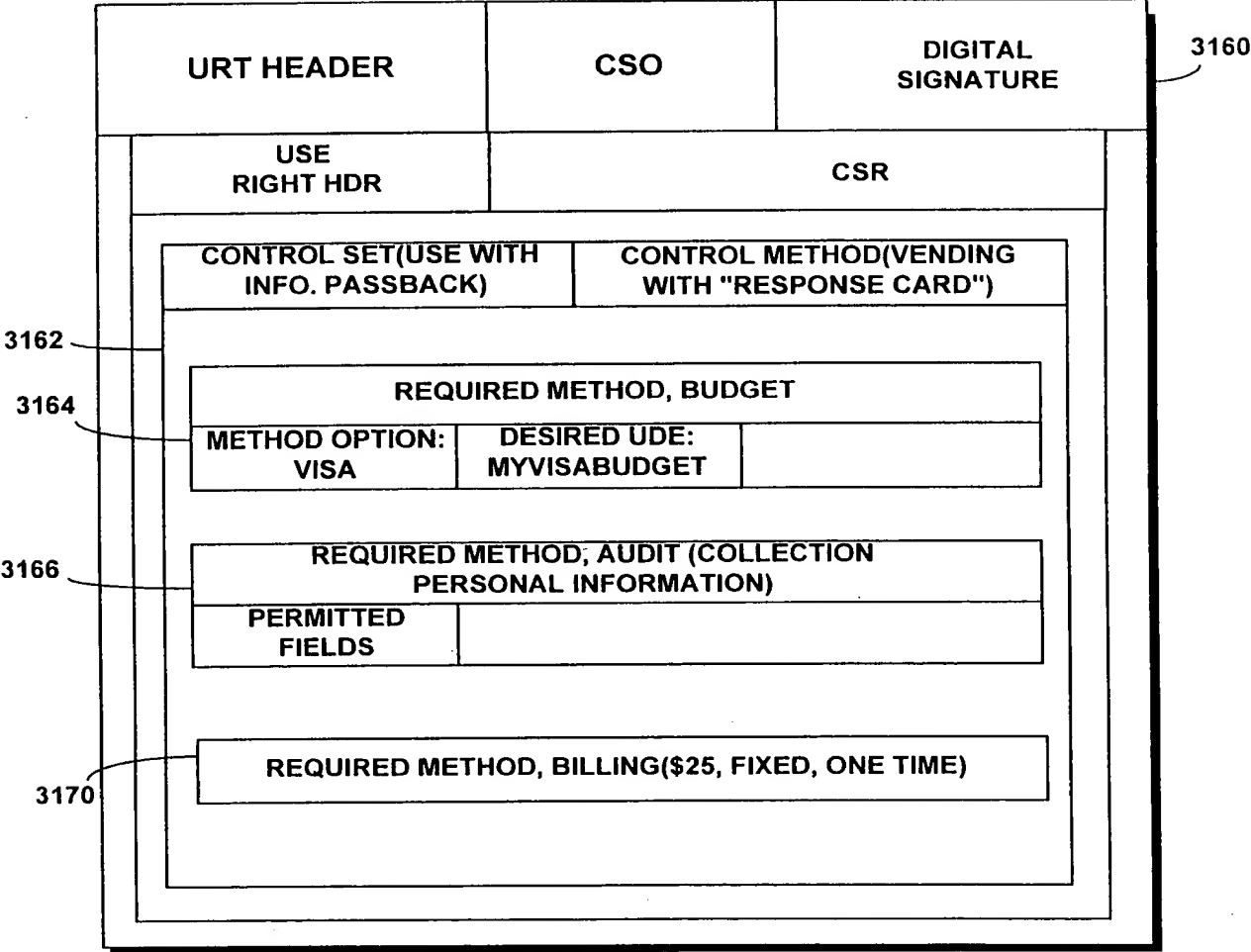


FIG. 75D



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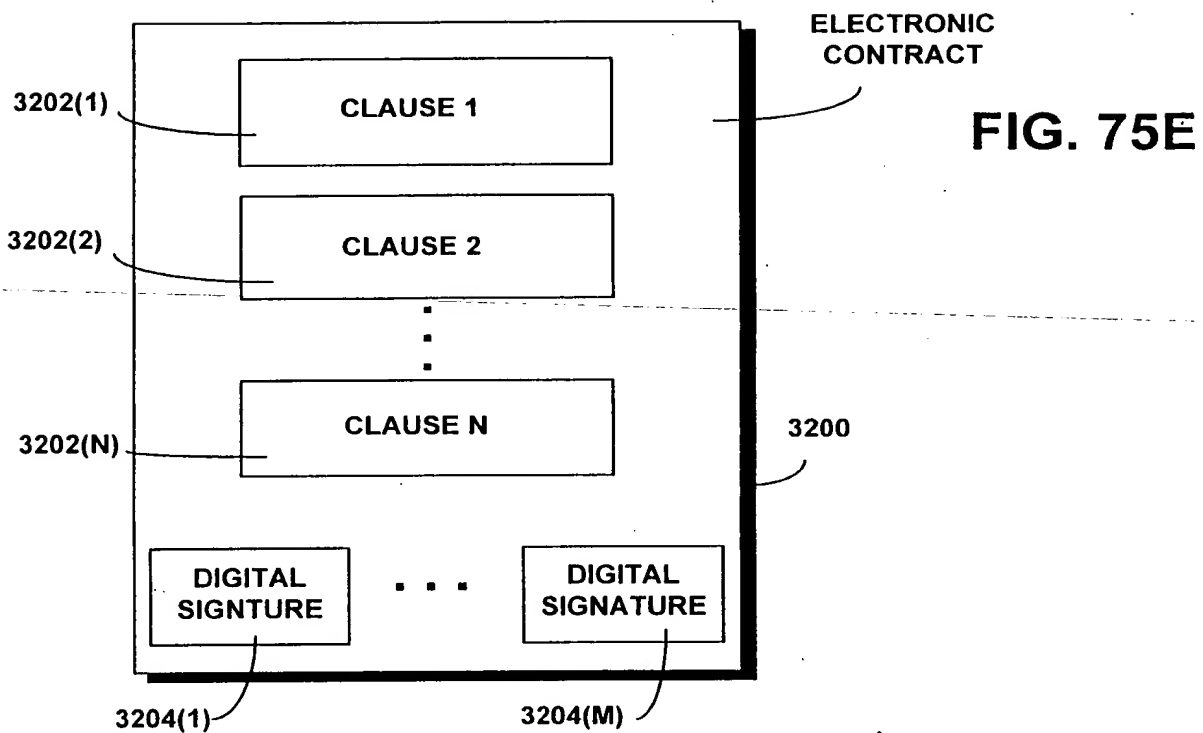


FIG. 75E

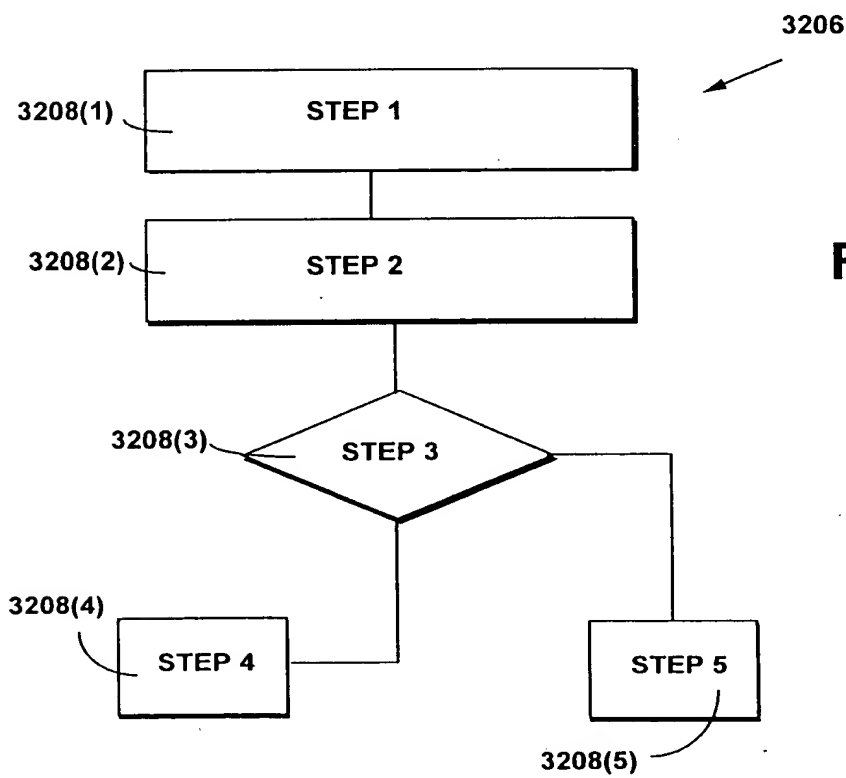


FIG. 75F

FIG. 76A

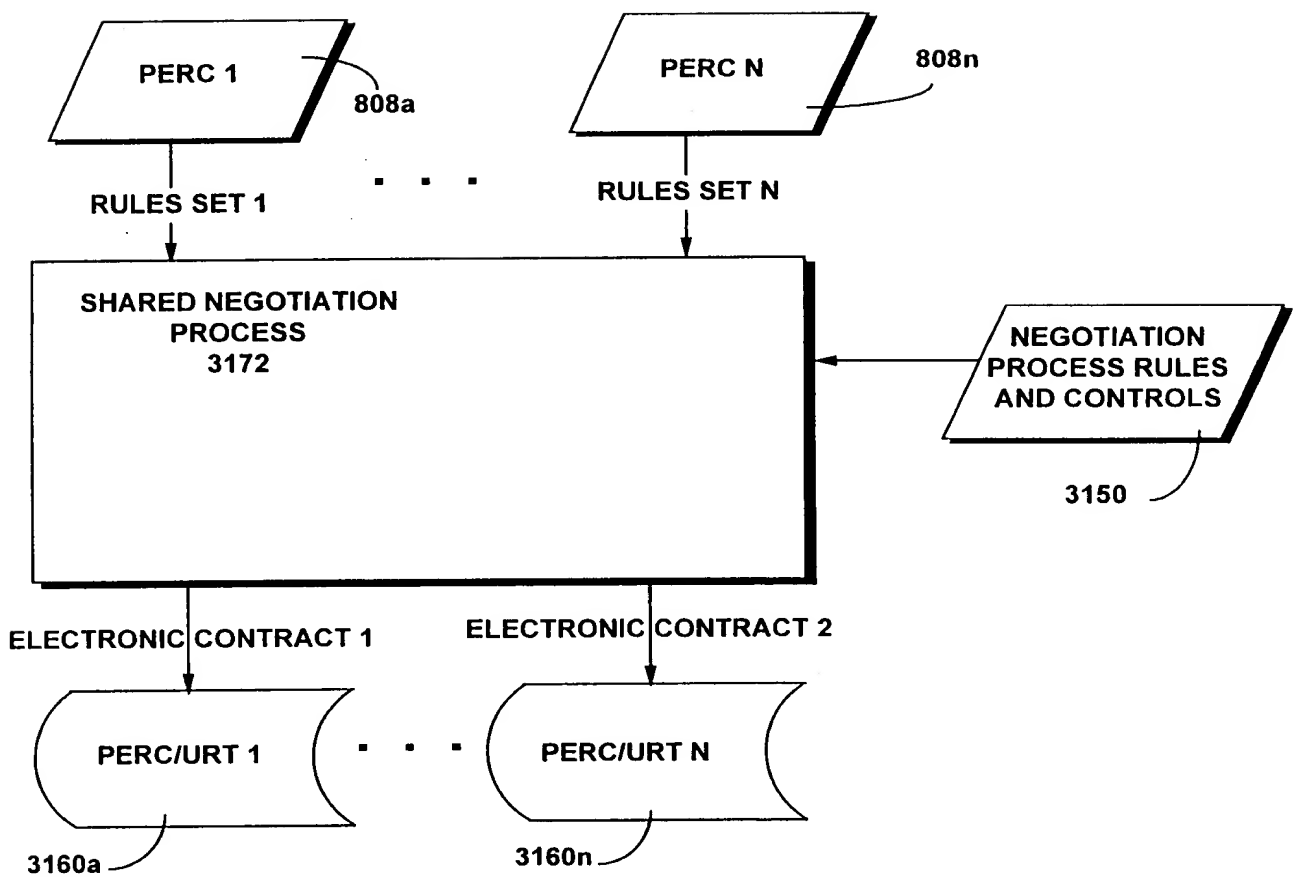


FIG. 76B

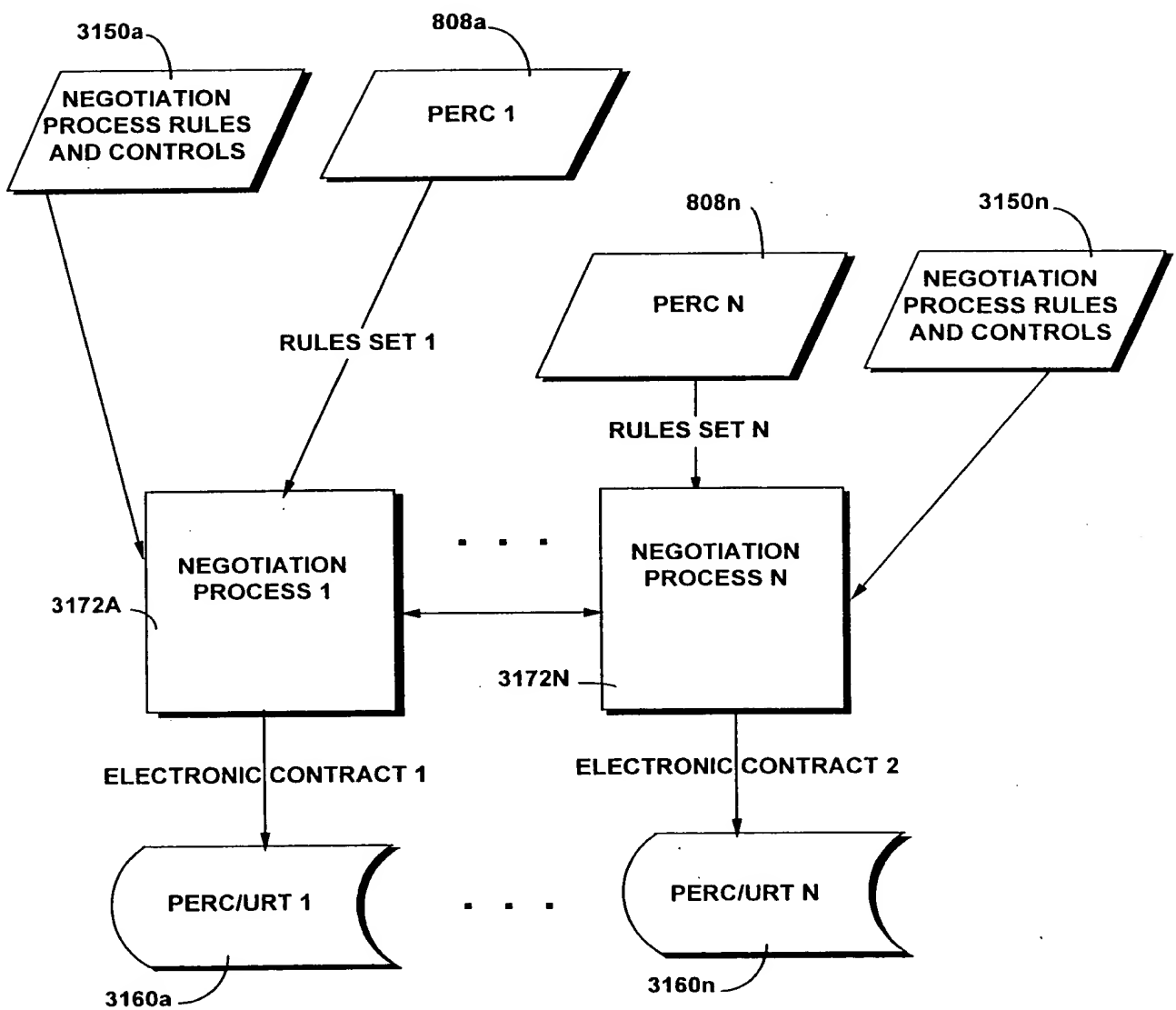
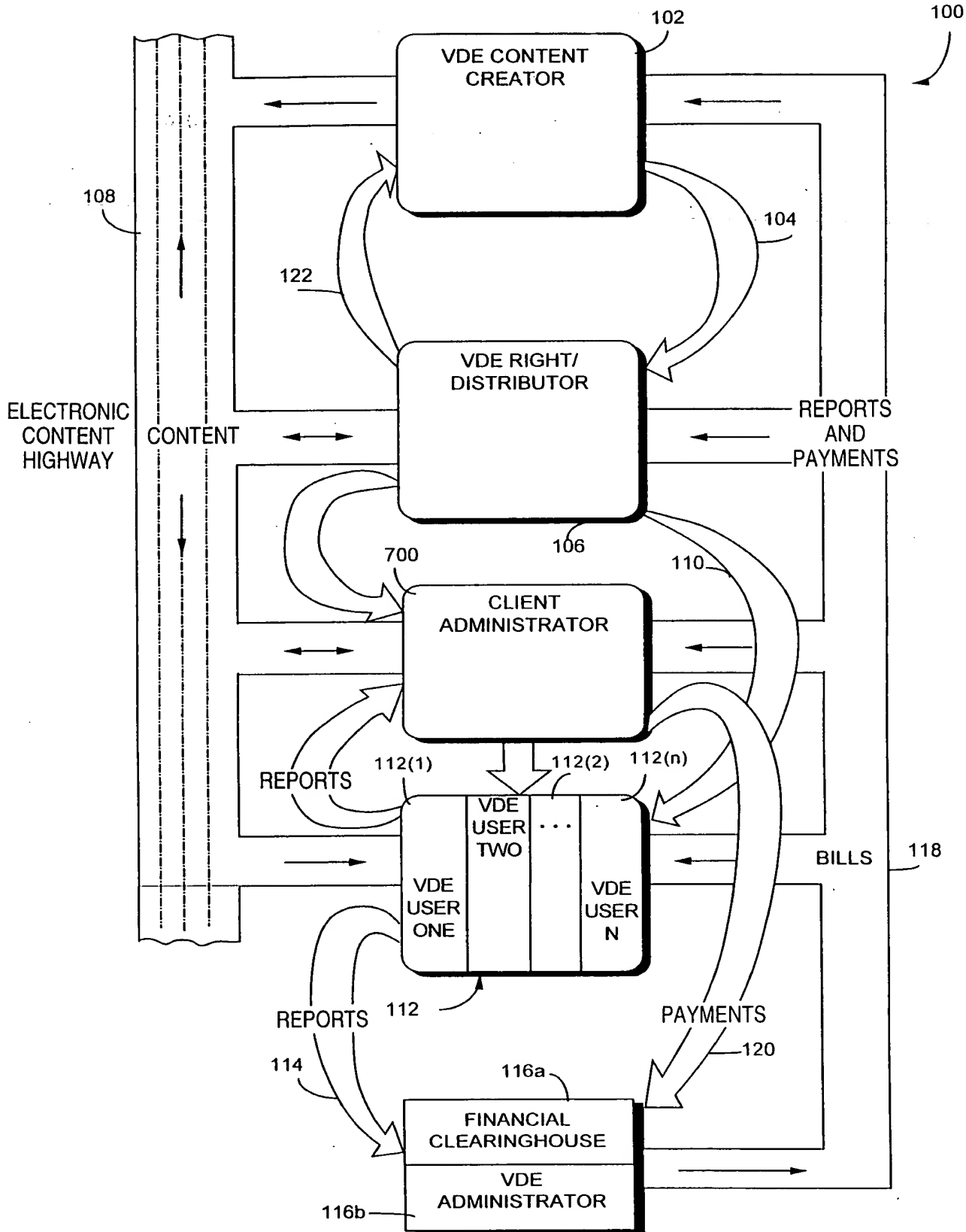


FIG. 77



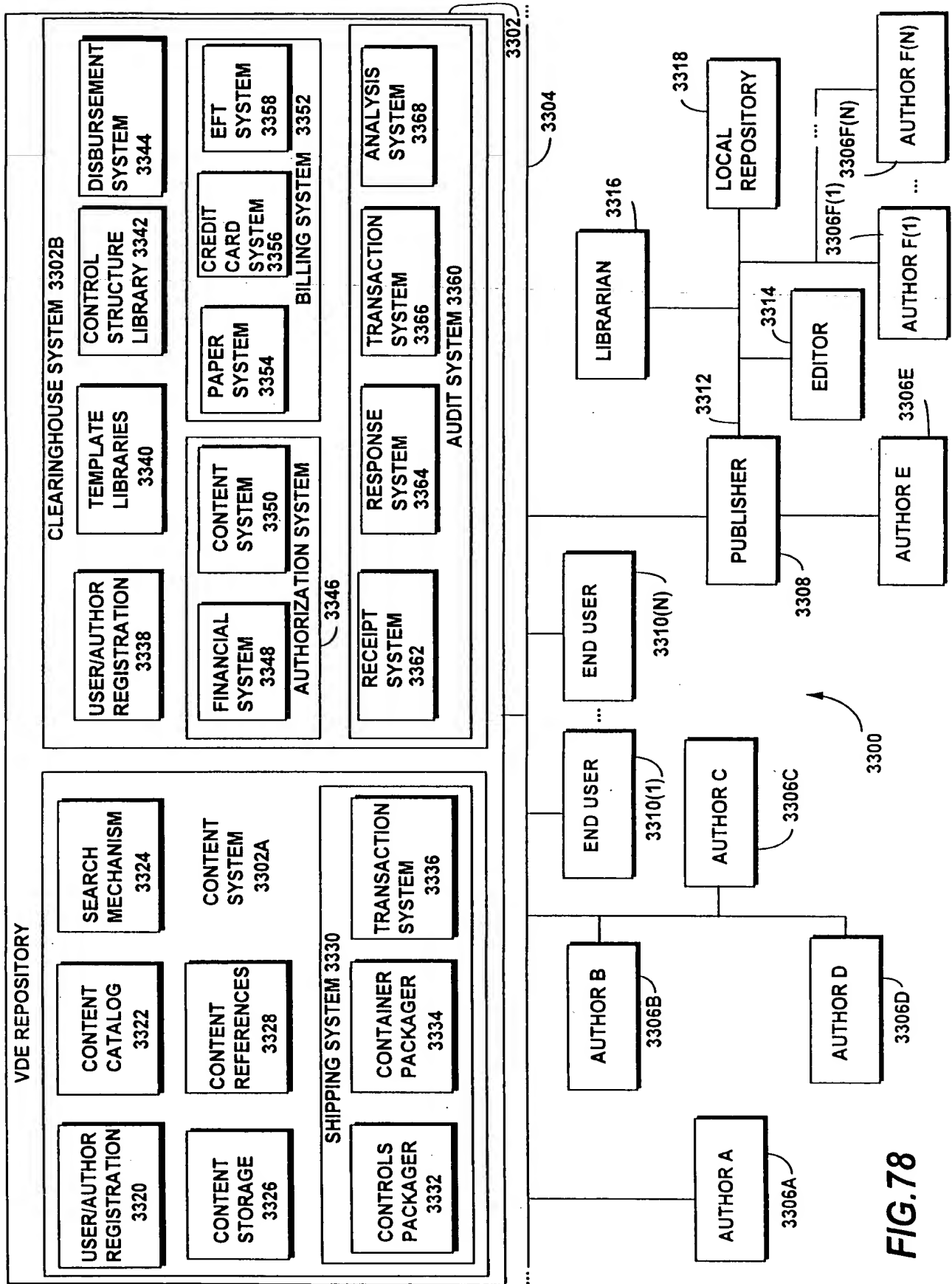


FIG.78

FIG. 79

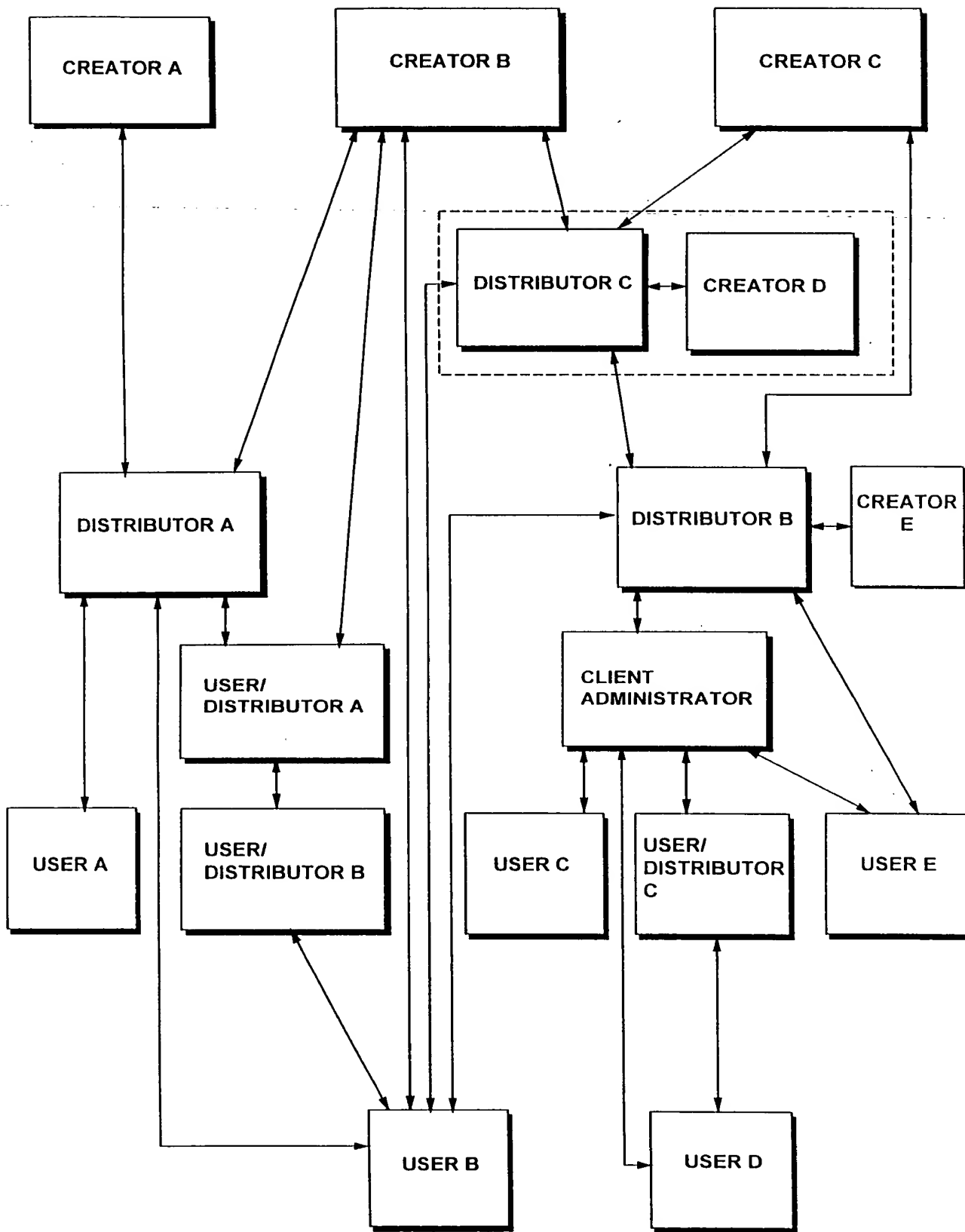
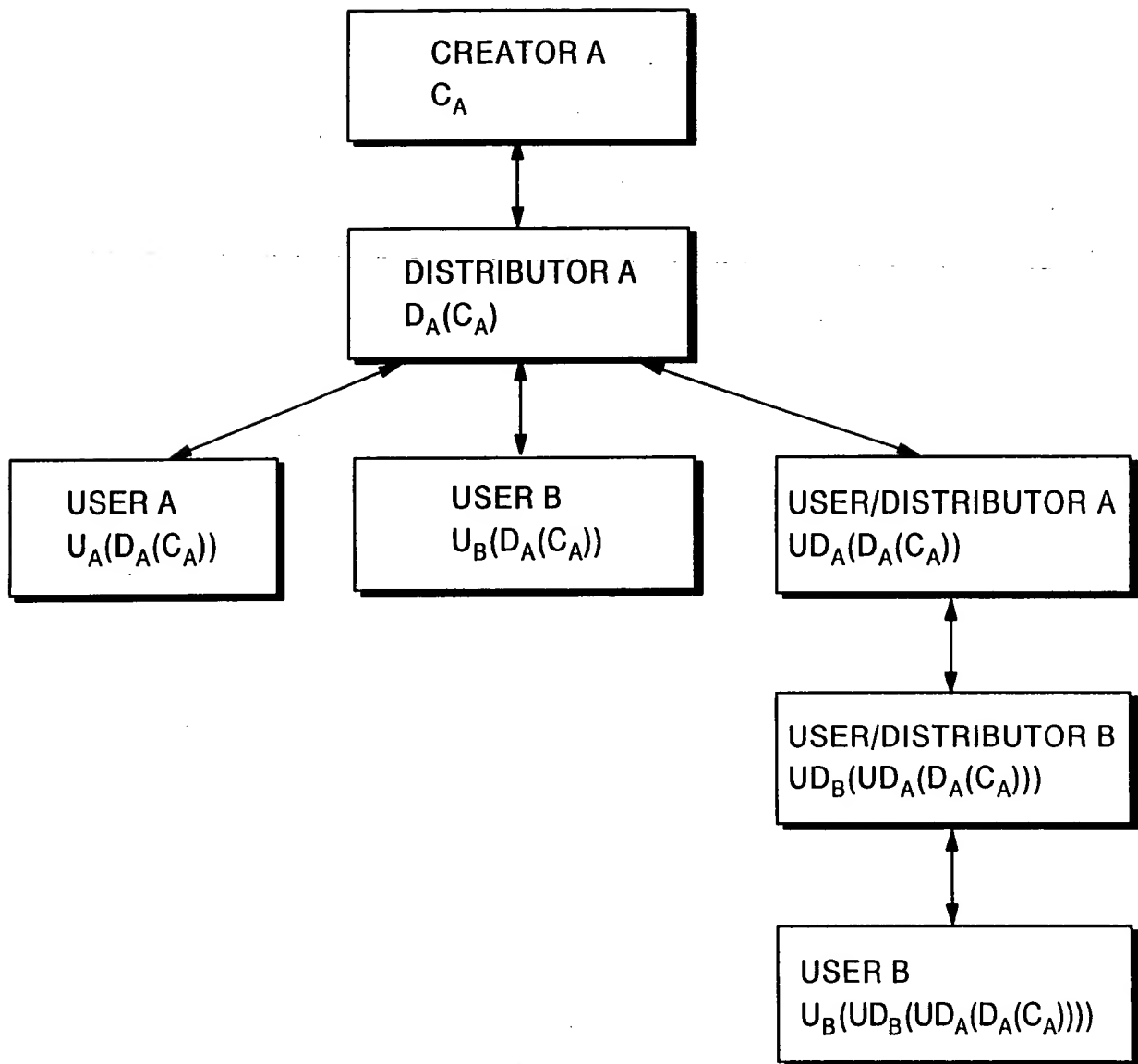


FIG. 80



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FIG. 81

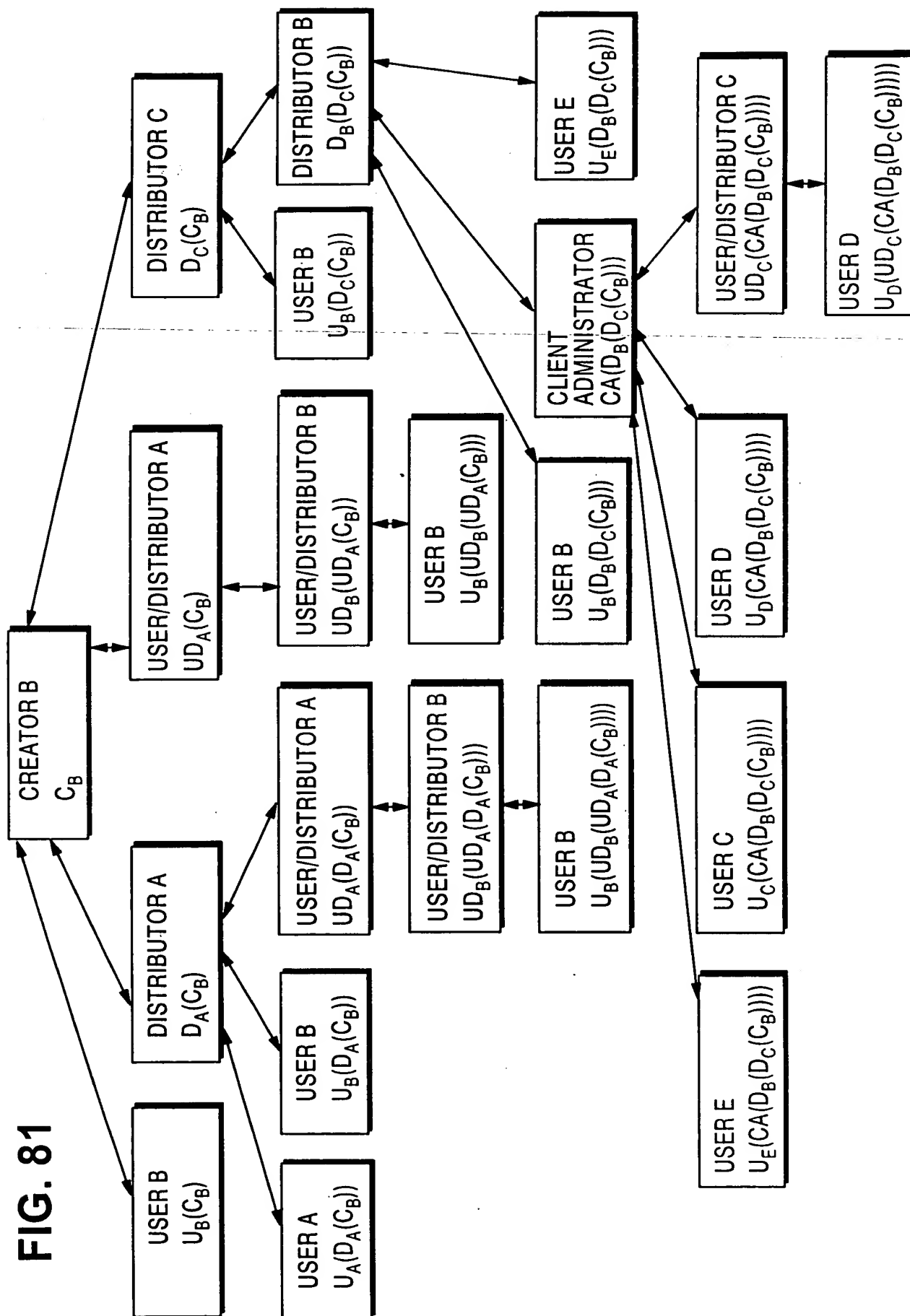


FIG. 82

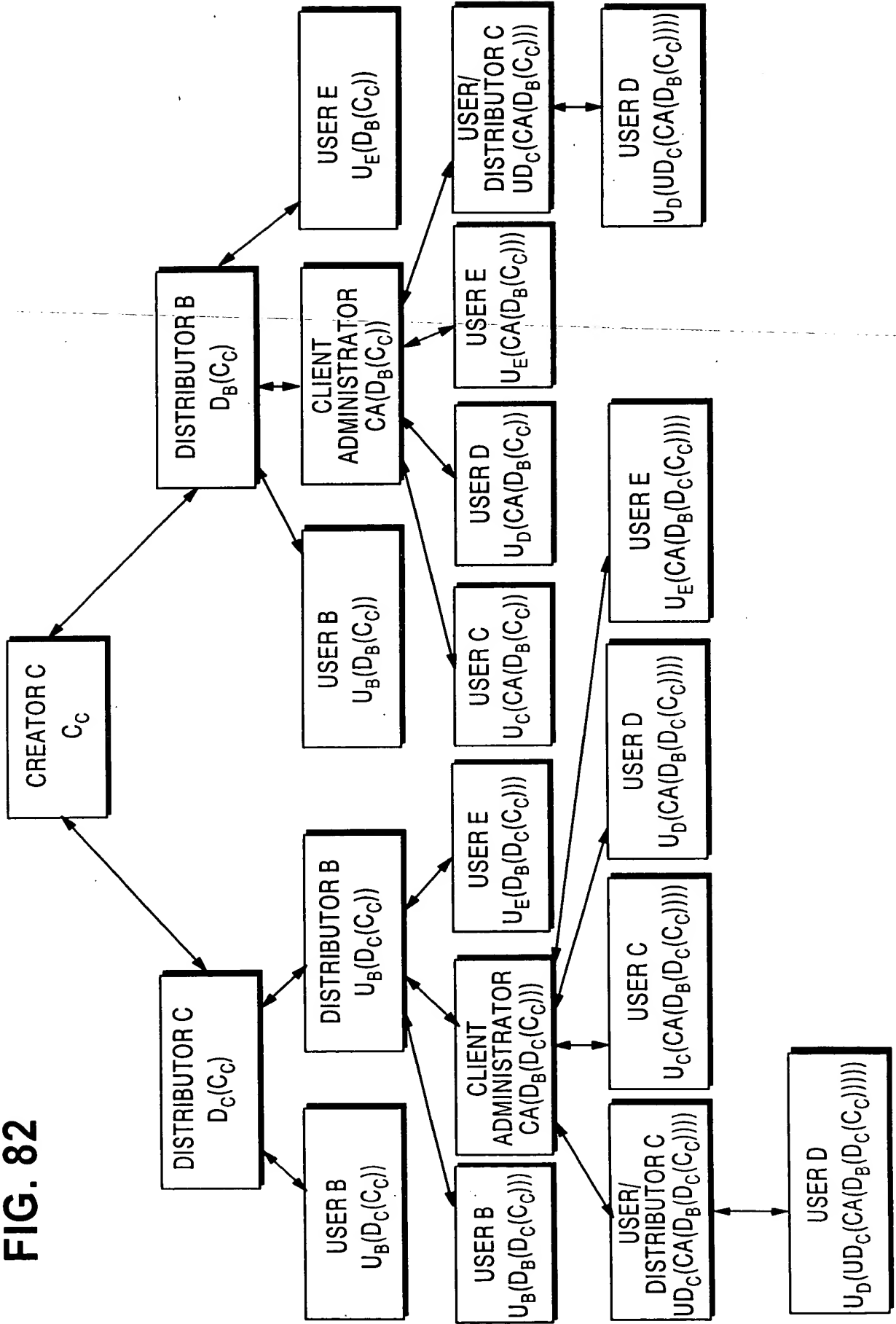
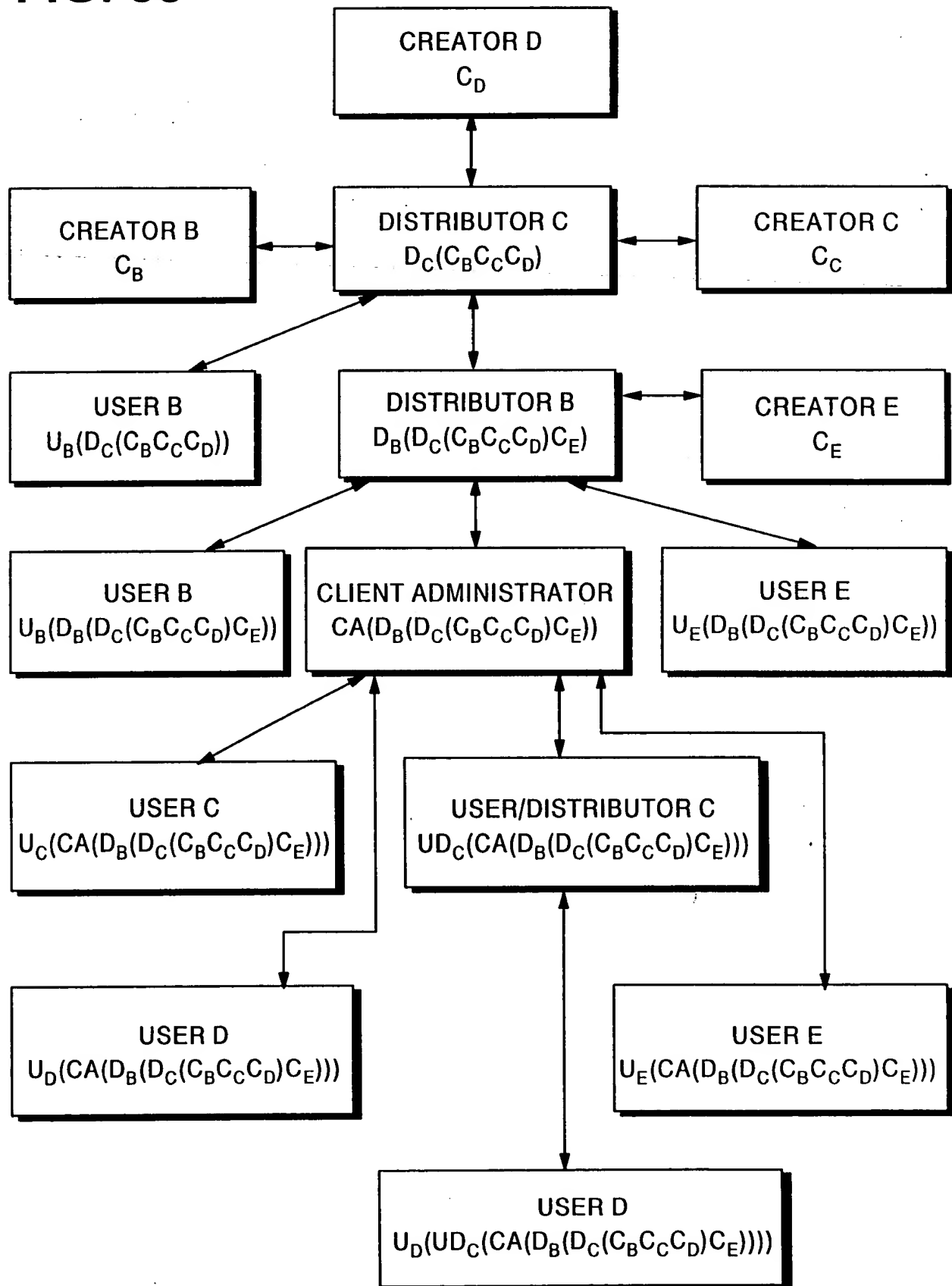


FIG. 83



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FIG. 84

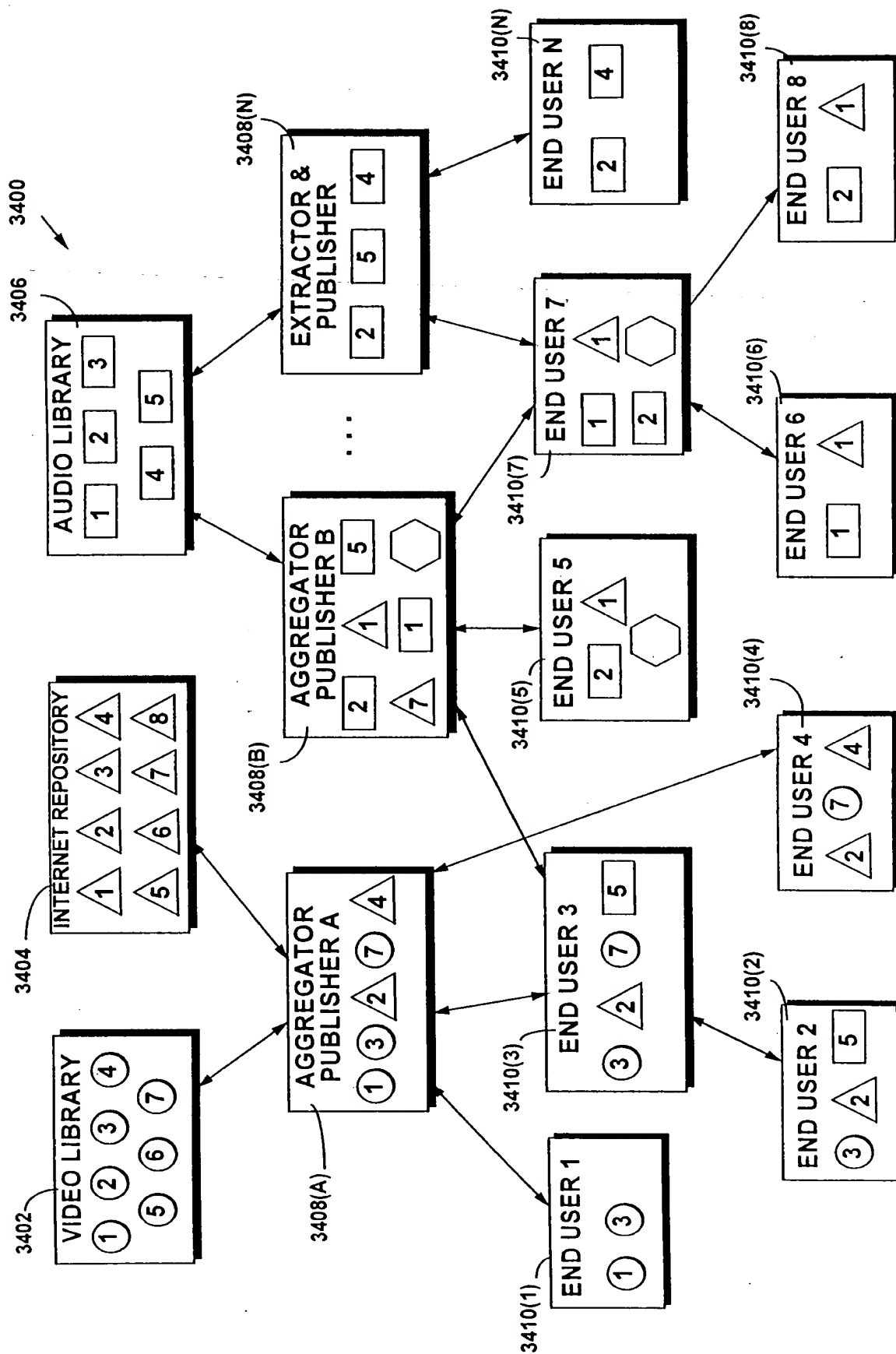


FIG. 85

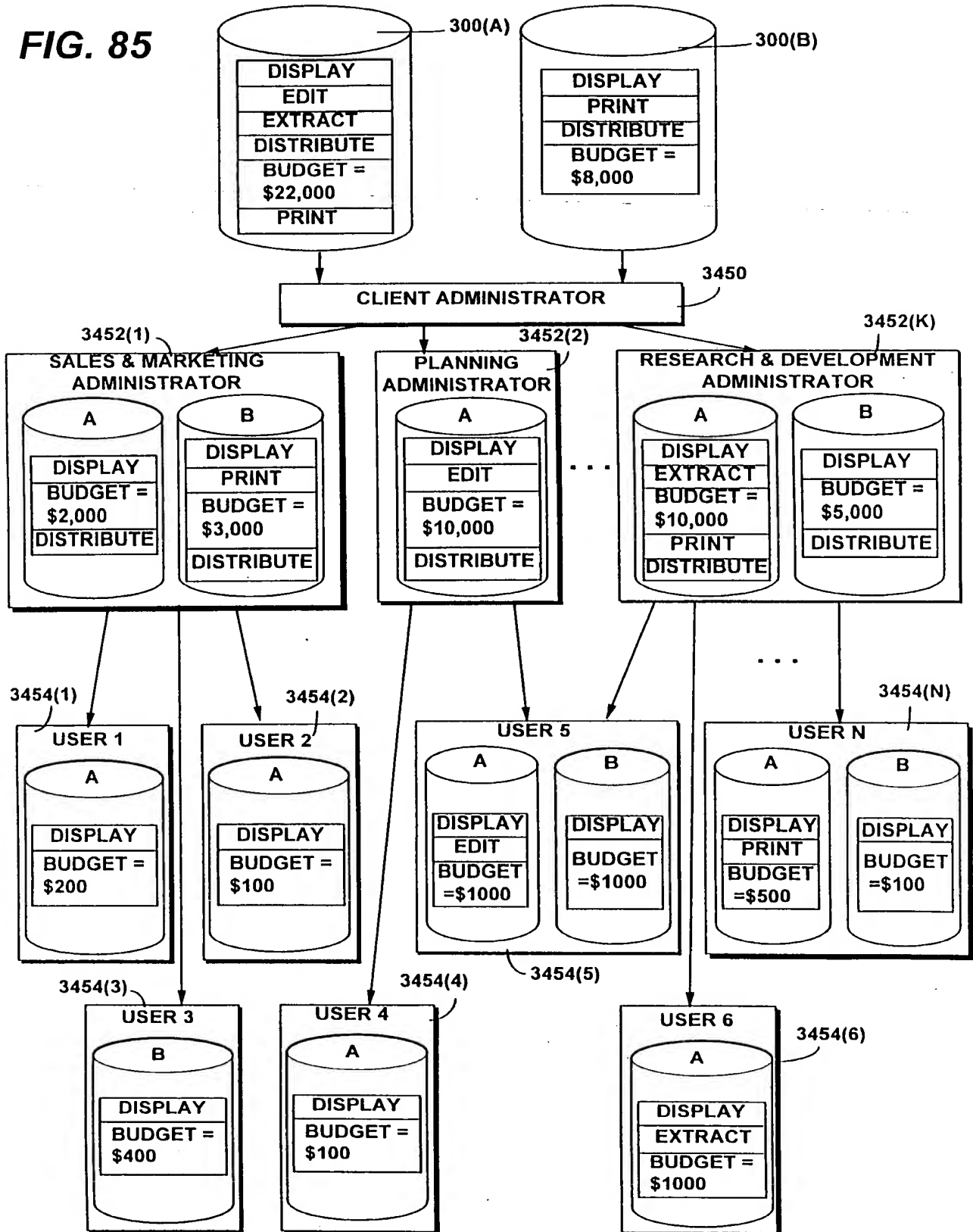


FIG. 86

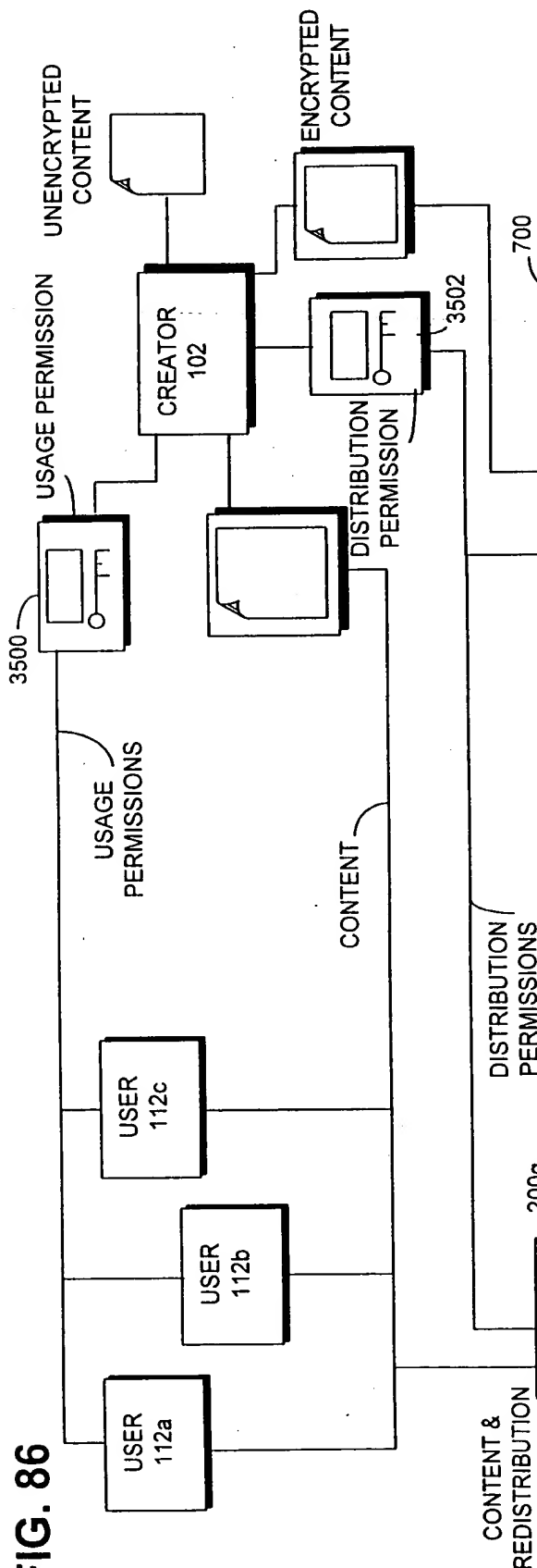


FIG. 86A

